



Specification openTRANS[®]

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We reserve the right to make changes to the information contained in this document without prior notice.

About this version

This openTRANS® Specification V1.0 is the result of a four-month "public review" phase (27.3.2001 – 31.7.2001) as well as numerous workshops with industry, software and system providers, suppliers and association organizations.

The specification, as well as the relevant XML-DTDs, are constantly further developed and published by eBSC (Electronic Business Standardization Committee).

Remarks, additions, improvement suggestions and errors can be passed on to the authors under the e-mail address authors@opentrans.org. They will be included in later versions of the standard.

Organizations and individuals who have registered under www.opentrans.org and downloaded the Standard, will be informed per e-mail of any alterations and new versions.

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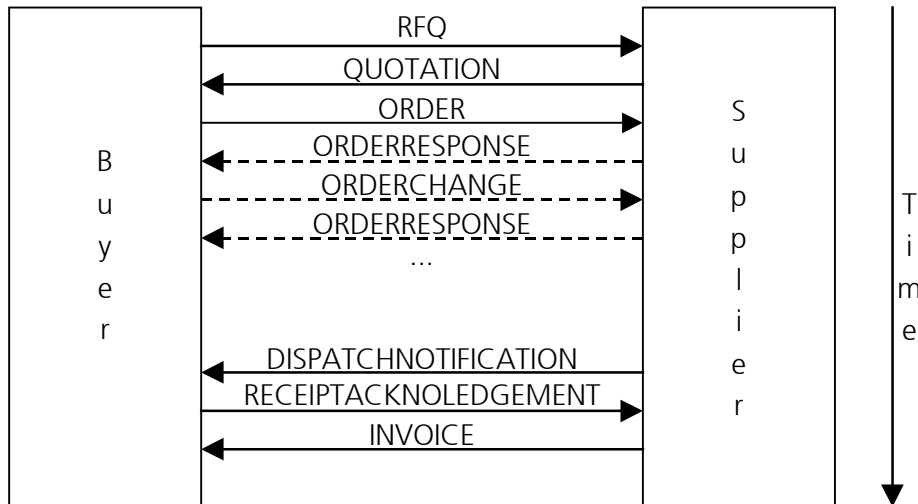
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1. Introduction

1.1. Overview

The openTRANS[®] format was developed with the aim of providing uniform electronic documents for business-to-business es-commerce. Based on the BMEcat[®] Standard for the electronic exchange of product data, standardized business documents such as order, delivery notes, invoices, etc. can be exchanged between the business partners and electronic marketplaces. The following diagram symbolizes the process, but no statement is made on the process to be selected, i.e. the choice of available documents used remains a matter for the business partners.



The following business documents are specified in this document:

- DISPATCHNOTIFICATION (Notification of dispatch)
- INVOICE (Invoice)
- ORDER (Order)
- ORDERCHANGE (Change of order)
- ORDERRESPONSE (Confirmation of the order)
- QUOTATION (Quotation)
- RECEIPTACKNOWLEDGEMENT (Acknowledgement of receipt of goods)
- RFQ (Request for quotation)

further documents (Punchout, ...) will follow.

1.2. Use of XML

Business documents are coded in "eXtensible Markup Language" (XML). XML is a W3C recommendation (see www.w3.org) and a de-facto industrial standard. XML allows structures and data to be coded simultaneously, in contrast with traditional methods such as comma-separated lists, for instance.

The DTDs (Document Type Definitions) belonging to the openTRANS[®] Standard are published in a separate, accompanying document.

1.3. Development partnership openTRANS® - BMEcat®

Like the BMEcat® Product Data Exchange Standard (see www.bmecat.org), the openTRANS® business documents have been developed and published by the eBusiness Standardization Committee. The openTRANS® business documents are being developed in partnership with BMEcat®.

From BMEcat V2.0 onwards, the BMEcat- and openTRANS® Specifications will be published in a uniform document which will use a common element library.

1.4. Compatibility with BMEcat® Version 1.2

openTRANS® business documents are compatible with BMEcat® catalog documents, i.e. identical fields and structures are used with identical meanings and rules. These identical features facilitate the uniform use of data and software systems.

In a few exceptional cases, elements and element structures in openTRANS® differ from those in BMEcat® (e.g. DATETIME, AGREEMENT, ADDRESS, CONTACT). This is done in anticipation of alterations in BMEcat® in the Version 2.0. From this BMEcat® version onwards, the elements and structures will once again be uniform.

1.5. Supplementary activities and standards

The BMEcat® Standard, which has been in existence since November 1999, describes an exchange format for electronic product catalogs. They constitute the range on offer in business-to-business e-commerce. The interaction of the business partners is described by the openTRANS® business documents.

1.6. Implementation support

Fraunhofer IAO, the University of Essen BLI and various partners of the eBusiness Standardization Committee can provide consulting support for implementing the openTRANS® Standard.

All inquiries in this respect or concerning the specification should be addressed directly to the authors of the openTRANS® Standard:

E-mail: authors@opentrans.org

Additional information can also be found under <http://www.opentrans.org>.

1.7. A word of thanks

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2. General

2.1. Structure of the specification/documentation

The documentation of the openTRANS[®] Standard V1.0 is made up of various documents. This document is the detailed specification of the standard. It is complemented by the technical specification of the openTRANS[®] Standards in the form of DTDs as well as samples of openTRANS[®] - compliant XML files. In the following text, the structure of the specification is explained.

In order to make navigation within the document easier, relevant key terms such as element names are cross-referenced, making it possible to jump directly to that part of the document in which this key term is explained in more detail. In order to make the cross-references easier to find, they are highlighted in green.

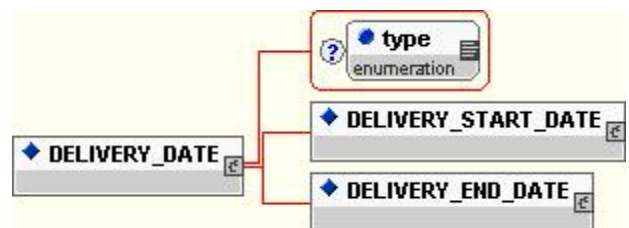
Where more detailed information on various areas is available on the Internet, this is indicated by the blue underlined hyperlinks which make it possible to jump directly to the relevant URL.

The openTRANS[®] Specification V1.0 is divided into five sections. In the sections 1 to 3 a brief introduction is given and basic concepts explained.

The main part of the specification is described in Section 4 "Transactions" and Section 5 "Element Library". In Section 4 "Transactions" reference is often made to frequently-used elements in Section 5 "Element Library". This Section constitutes a collection of the frequently-used elements. In addition, an **Alphabetical index of the elements** is to be found at the end of the specification which is intended to make it easier to find elements alphabetically sorted (will be available from Version 1.0 onwards). This index, like the **Contents**, contains cross-references which lead directly to the elements (slight deviations in PDF documents occur for technical reasons).

Each element in Sections 4 and 5 is described according to the same schema. The description of the elements is divided into the following points:



- the **element name**;
- a **descriptive text** explaining the function and significance of the element;
- a **diagram** demonstrating the sub-elements of an element: the element being described always appears on the left page and the sub-elements appear, one below the other, on the right page; the symbols within the elements have the following meaning:



- a ?-character shows that this is a Can element (see example DELIVERY_START_DATE); where this ?-character does not appear, the element is a Must element (see example DELIVERY_END_DATE); see also Section **"Must" and "Can" fields**;
- a ⊕-character indicates that the element may appear a number of times in this position, and must appear at least once;
- in the case of * characters, the element may appear a number of times in this position, but it is also possible that will not appear at all;
- the E-character indicates that the element can have at least one sub-element; where this character does not appear, the element is a leaf element, i.e. a data type must be indicated.
- where the element has attributes, these are represented by a rectangle with rounded corners (see example type);

- The **table "General"** gives a brief description of the following features of each element: the column "Used in" indicates the general elements in which the element described can be used; the column "Default value" indicates the value which will be assumed when the element has not been specified (see also Section **"Must" and "Can" fields**); the column "Data type" indicates – for those elements which have no sub-element – the types of data with which they can be filled; the column "Language-specific" indicates whether or not the field content can vary according to language; the column "Field length" indicates the maximum number of characters with which an element may be filled (see also **Coding in XML**); the column "Alt. in version" indicates the time of the last alteration in order to ensure a sound overview of the version alterations and additions;
- the **table "Attribute"** provides a list of the attributes used in the element and describes them in the following columns: the column "Designation" contains the term which describes the attribute in, if possible, one word; the column "Attribute name" indicates the system of notation which must be used in the catalog document; the column "Must/Can" indicates whether or not an attribute must be specified each time an element is used or whether the use is optional (see also Section **"Must" and "Can" fields**); the column "Explanation" specifies the use of the attribute; the columns "Default value", "Data type", "Language-specific", "Field length" and "Alt. in version" are used as indicated in the table "General";
- Where a detailed specification is given of the values which an attribute may have, each attribute can be followed by **a table with a list of values**; it should be noted whether this is a list of pre-defined values (i.e. these values are suggested but other values can also be used as determined by the description of the attribute), or whether a list of permitted values is given, which means that only values from this list, and no others, may be used; the column "Attribute value" indicates the values which may or must be entered in the attribute; the columns "Explanation", "Designation" and "Alt. in version" are used as indicated in the table "Attribute";
- In the **table "Elements"** the sub-elements (and – where these exist – their attributes) of the elements described are listed in order and described in the following columns: the column "Element name" consists of the system of notation which must be used in the business document; where this element itself has no sub-elements, the attributes of the sub-elements are listed in this column; the columns "Designation", "Must/Can", "Default value", "Data type", "Language-specific", "Field length" and "Alt. in version" are used as indicated in the table "Attributes" or the table "General";
- An **Example** closes the description of elements, In the example, the openTRANS® elements appear in black and the variable text or selectable attribute values appear in blue. Sample documents are available under www.opentrans.org.

In the texts described, the following symbols are used to flag important passages:

Symbol	Explanation
	Caution: important indication of possible error source
	Note: explanatory note containing additional information

2.2. Version history

- 0.9 Preliminary version published on 27.3.2001
- 0.91 Business documents ORDER, INVOICE;
publication of V0.91 public draft on 12.4.2001

- 0.92 New business documents DISPATCHNOTIFICATION (Notification of dispatch), ORDERCHANGE (Change of order), ORDERRESPONSE (Confirmation of the order); Multiple elements used in different business documents were indicated in the chapter "Element Library", the individual business documents are described in the chapter "Transactions";
Publication V0.92 public draft on 15.06.2001
- 1.0 New business documents QUOTATION, RFQ (Request For Quotation,), RECEIPTACKNOWLEDGEMENT (Confirmation of receipt of goods); extensive index at end of specification, individual alterations and corrections;
Publication V1.0 on 7.9.2001 (german version)
- 1.0 Publication V1.0 on 24.12.2001 (english version)

List of alterations between V 0.91 and V 0.92

Type	Reference	Explanation
Error in specification	Document INVOICE (Order) - INVOICE_HEADER	The INVOICE_INFO element has been altered from "Can" to "Must" in agreement with the DTD V0.91.
Error in specification	Document INVOICE (Order) - INVOICE_HEADER	The ORDER_HISTORY element has been altered from "Must" to "Can" in agreement with the DTD V0.91.
Addition	Document ORDERCHANGE (Alteration of order)	The document has been added.
Addition	Document ORDERRESPONSE (Confirmation of order receipt)	The document has been added.
Addition	Document DISPATCHNOTIFICATION (Notification of dispatch)	The document has been added.
Error in DTD openbase	Attribute 'type' of the AGREEMENT element	The attribute has been altered from "#IMPLIED" to "#REQUIRED" to match the specification.

List of alterations between V 0.92 and V 1.0

Type	Reference	Explanation
Addition	Document QUOTATION (Quotation)	The document has been added.
Addition	Document RFQ (Request For Quotation)	The document has been added.
Addition	Document RECIVENOTIFICATION (Confirmation of receipt of notification)	The document has been added.
Error in specification	Element COUNTRY	The element has been changed to the field type "COUNTRIES" (previously "STRING")
Error in example	Document INVOICE	The element "COUNTRIES" has been given the ISO-Code for country identification (previously whole word country identification "Germany")
Error in DTD	Element ADDRESS	Element "VAT-ID" changed to "VAT_ID". Element "VAT_ID" integrated into DTD.
Addition	Document ORDER	Addition of an ORDER-type "consignment" for the release order of an article from consignment stock
Addition	Document ORDER, element ORDER_SUMMARY	The CAN element TOTAL_AMOUNT has been added to the element ORDER_SUMMARY.
Addition	Document ORDERCHANGE, element ORDERCHANGE_SUMMARY	The CAN element TOTAL_AMOUNT has been added to the element ORDERCHANGE_SUMMARY.
Addition	Document ORDERRESPONSE, element ORDERRESPONSE_SUMMARY	The CAN element TOTAL_AMOUNT has been added to the element ORDERRESPONSE_SUMMARY.
Addition	Document QUOTATION, element QUOTATION_SUMMARY	The CAN element TOTAL_AMOUNT has been added to the element QUOTATION_SUMMARY.
Alteration	List of pre-defined values for the "type" attribute of the element REMARK	Altered from "dispatch_notification" to "deliverynotification"
Alteration	List of pre-defined values for the "type" attribute of the element REMARK	Altered from "delivery_note" to "deliverynote"

Alteration	List of pre-defined values for the "type" attribute of the element REMARK	Extension of the pre-defined value "RECEIPTACKNOWLEDGEMENT"
Alteration	List of pre-defined values for the "type" attribute of the element REMARK	Extension of the pre-defined value "rfq"
Alteration	List of pre-defined values for the "type" attribute of the element REMARK	Extension of the pre-defined value "quotation"
Addition	Element REMARK	Addition of a note on the use of the elements REMARK
Alteration	Element ADDRESS	Deletion of element REMARK
Alteration	Element TRANSPORT	Alteration of elements REMARK to TRANSPORT_REMARK; Deletion of the attributes of the (renamed) element REMARK
Alteration	Element RFQ_HEADER	Deletion of the element SOURCING_INFO
Addition	Element RFQ_INFO	Addition of the elements AGREEMENT and the element CATALOG_REFERENCE
Alteration	Element QUOTATION_HEADER	Deletion of the element SOURCING_INFO
Alteration	Element QUOTATION_ITEM_LIST	Sub-element ORDER_ITEM exchanged for QUOTATION_ITEM
Addition	Element QUOTATION_ITEM	Element drawn up on basis of ORDER_ITEM
Addition	Element PARTIAL_SHIPMENT	Element PARTIAL_SHIPMENT added, used in QUOTATION_ITEM
Alteration	Document RECEIPTACKNOWLEDGEMENT	Alteration of name of document RECEIVENOTIFICATION to RECEIPTACKNOWLEDGEMENT
Alteration	Element INVOICEE_PARTY	Element INVOICEE_PARTY was renamed INVOICE_PARTY

2.3. Coding in XML

The coding of individual characters in the XML elements should be specified in each XML file. This is done in the attribute "encoding" of the XML text declaration as in

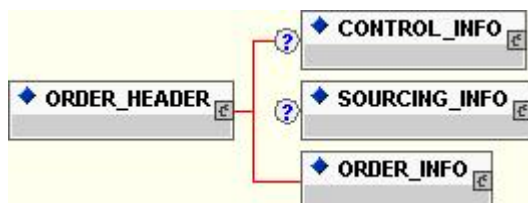
```
<?xml version="1.0" encoding="UTF-8">
```

Here "UTF-8" is specified as a character set. OpenTRANS® supports all the character sets which appear in the XML specification (for example, ISO-8859-1, UTF-8, UTF-16). With UTF character sets, a character is normally stored in one or more bytes.

It should be noted that the field lengths in the field length column relate to the individual characters and not to the number of bytes used in a character set. For example, the code "Ü" which represents the letter "Ü", constitutes only one character

2.4. "Must" and "Can" fields

The openTRANS® Standard distinguishes between optional and mandatory fields. Mandatory (Must) fields are XML elements which, in an openTRANS®-compliant XML file, must occur within the surrounding context. Optional (Can) fields are XML elements which, in an openTRANS®-compliant XML file may appear within their context. Both Must and Can fields must be filled, i.e., may not remain empty (not only white spaces).



In the diagrams which show the structure of the openTRANS® elements, the Can fields are preceded by a ? (question mark) (e.g. CONTROL_INFO, SOURCING_INFO), the Must fields appear without this indicator (z.B. ORDER_INFO).

A business document is openTRANS®-compliant when it contains all Must fields and no Can fields other than those detailed in this specification in the specified order and with the specified cardinality.

3. Data types


Data types specify the value format and range of all the elements used in a catalog document.

Each atomic element is assigned one data type. The use of data types permits the semantics of catalog document elements to be specified precisely. This is a basic precondition for importing or exporting catalog documents. External systems which generate or process catalog documents then recognize the format in which a particular document expects values to be entered and can recognize the format in which they are saved.

The openTRANS[®] Standard distinguishes between **Scalar data types** and **Enumerated data types**.

3.1. Scalar data types

The openTRANS® Standard uses the following scalar data types.


Name	Description/Format	Example
STRING	PCDATA ²	Charlie casual shirt
NUMBER	Numeric value. Used whenever a more specific numeric format is either not required or impractical. There are no restrictions regarding the minimum or maximum values, the number of digits or the number of decimal places. The decimal separator is the dot. No separator for thousand is permitted.	Examples: 15 3.14 -123.456E+10 Error: 13,20 1.000.000
INTEGER	Whole number with an optional sign. No fractions. No floating-point numbers. No separator for thousand is permitted.	1; 58502; -13
COUNT	Integral positive number. No fractions. No negative numbers. "0" is permitted. No separator for thousand is permitted	1; 18; 34552; 0
FLOAT	Floating-point numbers in accordance with 64-bit IEEE Standard 488 The decimal separator is the dot. No separator for thousand is permitted.	.314159265358979E+1
BOOLEAN	The values "true" or "false" can be entered, case-insensitive, i.e. regardless of whether in capitals or small letters.	TRUE or true or True
DATETIME	Date in ISO 8601 Second edition 1997 (s. http://www.w3.org/TR/NOTE-datetime-970915).  The element differs to the specification of date stamp in BMEcat® up to BMEcat® V2.0. From BMEcat® V2.0 onwards, date stamps will be used identically in BMEcat® and openTRANS®.	2001-03-27T08:10:30+01:00 (corresponds to: 27. March 2001, 08:10:30 CET); 2001-03; 2001-03-27; 2001-03-27T08:10

² PCDATA bedeutet "Parsed Character DATA" und beinhaltet eine Folge alphanumerischer characters, die keine XML-Tags enthalten.

3.2. Enumerated data types

The openTRANS® Standard uses a variety of enumerated data types based on internationally-common standards.

An enumerated data type is a set of string constants. If an element has an enumerated data type, this element can only be assigned a value which belongs to the set of these constants. Therefore only values from this range – generally defined by standards – are permitted.

Name	Description	Format	Underlying standard	Example
COUNTRIES	Country codes to indicate areas of availability. The country subdivision codes can be used to subdivide country codes further, for example into regions.	6 characters	ISO 3166-1:1997 Country codes [ISO-3166-1:1997] http://www.din.de/gremien/nas/nabd/iso3166ma/codlstp1/index.html Compare also: ISO 3166-2:1998 Country subdivision codes [ISO-3166-2:1998] http://www.din.de/gremien/nas/nabd/iso3166ma/devrel_2.html http://193.194.138.128/locode/ ISO 3166-3:1999 Code for formerly used names of countries [ISO-3166-3:1999]	DE (Germany); US (USA) DE-NW (North-Rhine Westphalia in Germany) DK-025 (Roskilde District in Denmark)
CURRENCIES	Currency codes to indicate currency with prices.	3 characters	ISO 4217:1995 Currency codes [ISO-4217:1995] http://www.unece.org/cefact/rec/rec09en.htm  Note: Since 1997 the code "EUR" instead of "XEU" has been in place for Euro. This is proscribed as the official code ISO 4217:2000. It is therefore urgently recommended that "EUR" be used as code for Euro.	DEM (German marks); USD (US dollars)
LANG	Language codes to indicate the language used in texts or with pictures	3 characters	ISO 639-2:1998 Language code [ISO-639-2:1998]	deu (German)
UNIT	This data type is used to represent units of measurement such as m (Meter), kg (Kilogram) or km/h. However it does not contain the Package Units from the next section.	maximal 3 characters	UN/ECE Recommendation 20 (all except "Package Units") http://www.unece.org/cefact/rec/rec20en.htm	MTR (Meter, meter)
PUNIT	Package unit codes: this list contains the permitted package units	maximal 3 characters	UN/ECE Recommendation 20 / Package Units http://www.unece.org/cefact/rec/rec20en.htm	C62 (piece)

4. Transactions

4.1. DISPATCHNOTIFICATION (Notification of dispatch)

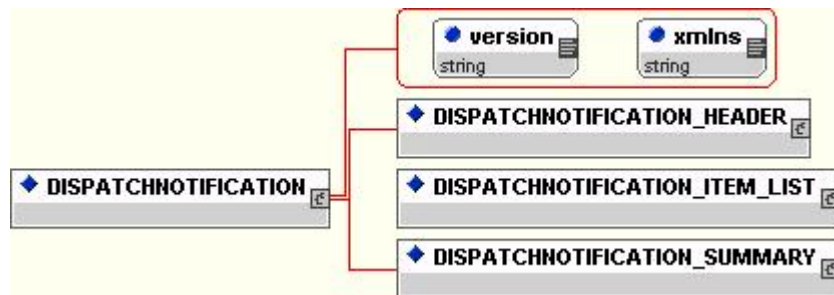
DISPATCHNOTIFICATION

Every valid DISPATCHNOTIFICATION business document in the openTRANS® format is introduced with the Root-Element DISPATCHNOTIFICATION and is made up of a header (DISPATCHNOTIFICATION_HEADER), an item level (DISPATCHNOTIFICATION_ITEM_LIST) and a summary (DISPATCHNOTIFICATION_SUMMARY).

The header is at the beginning of the business documents and contains global data valid for all types of business data exchange such as, for example, information on automatic processing of the business document and information for identifying the business document. The header also lays down default settings for the following item level.

The item level contains the individual positions in the dispatch notification. In this, information is taken over from the header on the item level, provided it has not been overwritten on item level.

The summary contains a summary of the items in the dispatch notification. The information in this element is redundant and can be used for control and statistical purposes.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
-	-	-	-	-	0.92

Attribute

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Version	version	Must	Indicates the version of the openTRANS® Standard to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0")	-	STRING	-	7	0.92

Elements

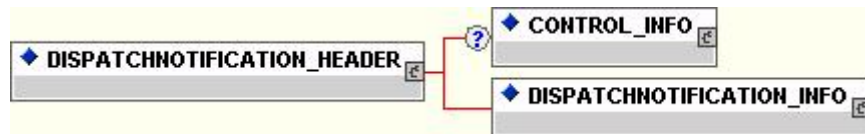
Designation	Element name	Must/Can	Single/00 Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Header level	DISPATCHNOTIFICATION_HEADER	Must	Single	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	0.92
Item level	DISPATCHNOTIFICATION_ITEM_LIST	Must	Single	The item level lists the individual positions of the notification of the dispatch notification.	-	-	-	-	0.92
Summary	DISPATCHNOTIFICATION_SUMMARY	Must	Single	Summary of the item information on the dispatch notification. The information in this element is redundant.	-	-	-	-	0.92

Example:

see www.opentrans.org

DISPATCHNOTIFICATION_HEADER

The header is specified by the DISPATCHNOTIFICATION_HEADER element. DISPATCHNOTIFICATION_HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (DISPATCHNOTIFICATION_ITEM).



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
DISPATCHNOTIFICATION	-	-	-	-	0.92

Elements

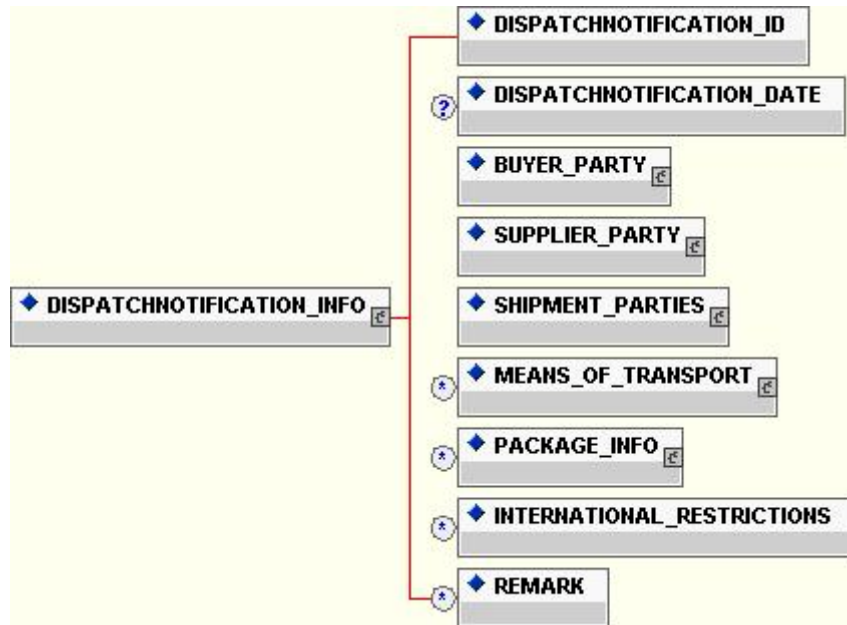
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Control information	CONTROL_INFO	Can	Single	Control information for the automatic processing of the business documents.	-	-	-	-	0.9
Dispatch notification information	DISPATCHNOTIFICATION_INFO	Must	Single	Information on the business partners and on the identification of the business document.	-	-	-	-	0.92

Example:

see www.opentrans.org

DISPATCHNOTIFICATION_INFO


The DISPATCHNOTIFICATION_INFO element summarizes administrative information about this request for quotation.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
DISPATCHNOTIFICATION_HEADER	-	-	-	-	0.92

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Dispatch notification number	DISPATCHNOTIFICATION_ID	Must	Single	Unique dispatch notification number of the supplier	-	STRING	-	250	0.92
Dispatch notification date	DISPATCHNOTIFICATION_DATE	Can	Single	Date of the dispatch notification	-	DATE	-	20	0.98
Buyer	BUYER_PARTY	Must	Single	Buyer, recipient of the dispatch notification	-	-	-	-	0.9
Supplier	SUPPLIER_PARTY	Must	Single	Supplier, sender of the dispatch notification	-	-	-	-	0.9
Shipment parties	SHIPMENT_PARTIES	Must	Single	Business partners who are integrated into the order delivery process	-	-	-	-	0.9
Means of transport	MEANS_OF_TRANSPORT type=...	Can	Multiple	Means of transport with which the goods to be delivered are transported	-	-	-	-	0.92
Packaging information	PACKAGE_INFO	Can	Multiple	Information on the packaging in which the goods will be delivered	-	-	-	-	0.92
International shipment restrictions	INTERNATIONAL_RESTRICTIONS type=...	Can	Multiple	Details of international restrictions e.g. compulsory import / export authorization	-	STRING	X	250	0.9
Remark	REMARK type=...	Can	Multiple	<p>The remark is identified with the attribute "type" for use in different business documents.</p>  <p>It is only permissible to identify remarks for use in this or the following business documents using the attribute "type". Target systems are recommended to ignore remarks about previous business documents (History). It is permissible to use the attribute REMARK more than once with the same "type" attribute.</p>	-	STRING	X	64000	0.99

Attributes for the element MEANS_OF_TRANSPORT

see page 153.

Attributes for the element INTERNATIONAL_RESTRICTIONS

see page 165.

Attributes for the element REMARK

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Type of remark	type	Must	Specifies the type of remark. The remark is identified for use in a variety of business documents. The business partner processing the document which matches the attribute evaluates the information contained in the REMARK element, otherwise the information is passed on along the process chain. See also "List of pre-defined values for the "type" attribute of the element REMARK" . Example: type=deliverynote means that the remark entered in the element REMARK appears on the delivery note , e.g. "Please ring at the ramp and ask for H. Müller".	general	STRING	-	250	0.9

List of pre-defined values for the "type" attribute of the element MEANS_OF_TRANSPORT

see page 154.

List of pre-defined values for the "type" attribute of the element INTERNATIONAL_RESTRICTIONS

see page 166.

List of pre-defined values for the "type" attribute of the element REMARK

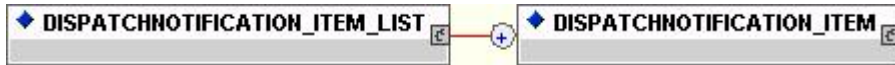
Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (no openTRANS® document at present)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (delivery note exists in paper form only, as document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

DISPATCHNOTIFICATION_ITEM_LIST

The element DISPATCHNOTIFICATION_ITEM_LIST represents the item level of the dispatch notification. The DISPATCHNOTIFICATION_ITEM_LIST is made up of the individual positions of the dispatch notification.



General

Used in	Default value	Data type	Lang. dependent	Field length	Alt. in version
DISPATCHNOTIFICATION	-	-	-	-	0.92

Elements

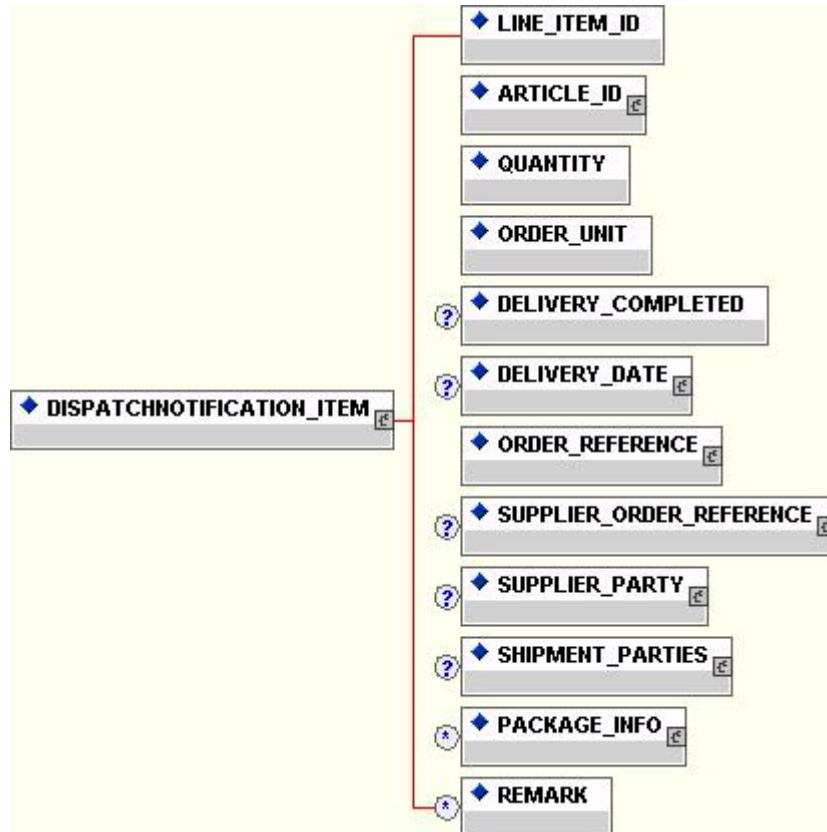
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Item line	DISPATCHNOTIFICATION_ITEM	Must	Multiple	The item line contains dispatch notification information about exactly one item	-	-	-	-	0.92

Example:

see www.opentrans.org

DISPATCHNOTIFICATION_ITEM


An item line contains the information about exactly one item of the dispatch notification. Any number of item lines may be used, but at least one must be used.





General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
DISPATCHNOTIFICATION_ITEM_LIST	-	-	-	-	0.92

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Item number	LINE_ITEM_ID	Must	Single	The item ID number is used to uniquely identify the item line of dispatch notification within an order. In combination with the dispatch notification number and the supplier, the line item number represents a unique ID number outside the business process concerned. Example: P100012	-	STRING	-	50	0.9
Article number	ARTICLE_ID	Must	Single	The article number serves to identify the commissioned item. Within the element ARTICLE_ID the element SUPPLIER_AID has to be specified for the purpose of unique identification.	-	-	-	-	0.9
Order quantity	QUANTITY	Must	Simple	The order quantity represents the quantity - related to the order quantity unit - of an article ordered.	-	NUMBER	-	32	0.9
Order unit of an article	ORDER_UNIT	Must	Simple	Unit in which the article can be ordered. Only multiples of the article unit can be ordered. The price also always refers to this unit (or to parts or multiples of it). Example: Crate of mineral water with 6 bottles: Order unit: "crate", contents unit/unit of the article: "bottle", Packing quantity: "6"	-	PUNIT	-	3	0.9
Delivery completed	DELIVERY_COMPLETED	Can	Single	This element contains information on the completion of the delivery. If the element is TRUE, the relevant order item has been delivered in full. In the case of FALSE, at least a part of the order remains to be delivered.	-	BOOLEAN	-	-	0.9
Delivery date	DELIVERY_DATE type=...	Can	Single	Delivery date. The delivery date specifies the date the commissioned goods are to be received by the buyer. If the delivery date deviates from the one specified in the header, the delivery date on item level is valid.	-	-	-	-	0.9
Order reference	ORDER_REFERENCE	Must	Single	Reference information on the order to which the dispatch notification relates.	-	-	-	-	0.9
Supplier order reference	SUPPLIER_ORDER_REFERENCE	Can	Single	Reference information of the supplier on the order to which the dispatch notification relates.  While the element "Order reference" contains information on the order at the buyer's, the element "Supplier order reference" provides information on the order at the supplier's.	-	-	-	-	0.92

Supplier	SUPPLIER_PARTY	Can	Single	Supplier, sender of dispatch notification  At header level, supplier is can field and not a must field to give consideration to the possibility of using different suppliers at item level.	-	-	-	-	0.9
Shipment parties	SHIPMENT_PARTIES	Can	Single	Business partners who are integrated into the procedure of processing the delivery of the goods.	-	-	-	-	0.9
Packaging information	PACKAGE_INFO	Can	Multiple	Information on the packaging in which the goods are delivered. The element can be used more than once to permit the inclusion of deliveries which arrive in more than one packaging unit.	-	-	-	-	0.92
Remark	REMARK type=...	Can	Multiple	The remark is marked by the attribute " type " for use in different business documents.  It is only permissible to identify remarks for use in this or the following business documents using the attribute "type". Target systems are recommended to ignore remarks about previous business documents (History). It is permissible to use the attribute REMARK more than once with the same "type" attribute.	-	STRING	X	250	0.99

Attributes of the element DELIVERY_DATE

see page 150.

Attributes of the element REMARK

see page 24.

List of permitted values for the "type" attribute of the element DELIVERY_DATE

see page 151.

List of pre-defined values for the "type" attribute of the element REMARK

Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (not an openTRANS [®] -document at present)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (delivery note exists in paper form only, as document accompanying the goods)	0.99
Receipt acknowledgement	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

DISPATCHNOTIFICATION_SUMMARY

The summary contains information on the number of item lines in the dispatch notification. This figure is used for control purposes to make sure that all items have been transferred.



General

Used in	Default value	Data type	Lang. dependent	Field length	Alt. in version
DISPATCHNOTIFICATION	-	-	-	-	0.92

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Total number of items	TOTAL_ITEM_NUM	Must	Single	Contains the total number of item lines in the dispatch notification. The information is redundant and serves only for statistical assessment, where applicable, through intermediaries.	-	COUNT	-	-	0.98

Example:

see www.opentrans.org

4.2. INVOICE

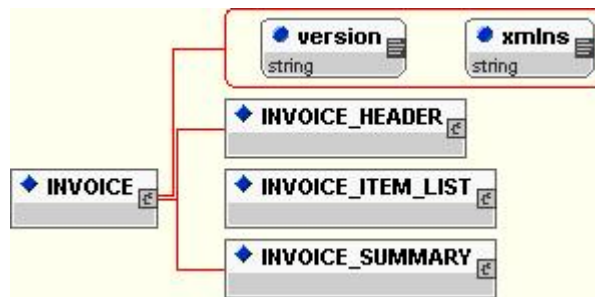
INVOICE

Every valid INVOICE business document in the openTRANS® format is triggered by the root element INVOICE and consists of a header (INVOICE_HEADER), an item level (INVOICE_ITEM_LIST) and a summary (INVOICE_SUMMARY).

The header is at the beginning of the business document and contains global data valid for all types of business data exchange such as, for example information on suppliers or information on skeleton agreements which may exist between the buyer and the supplier. The header also lays down default settings for the following item level.

The item level contains the individual positions in the order. Here the information is transferred from the header on the item level provided the item level has not been overwritten. This principle is valid for all elements.

The summary contains a summary of the items ordered. The information in this element is redundant and can be used for control and statistical evaluation.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
-	-	-	-	-	0.9

Attribute

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Version	version	Must	Indicates the version of the openTRANS® Standard to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0")	-	STRING	-	7	0.9

Elements

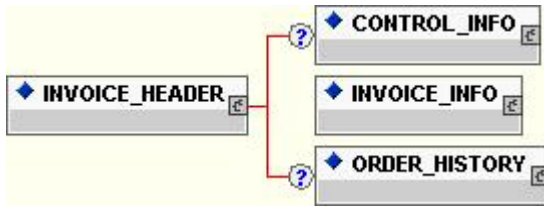
Designation	Element name	Must/Can	Single/00 Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Header level	INVOICE_HEADER	Must	Single	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	0.9
Item level	INVOICE_ITEM_LIST	Must	Single	The item level lists the individual positions of the invoice	-	-	-	-	0.9
Summary	INVOICE_SUMMARY	Must	Single	Summary of the invoice information. The information in this element is generally redundant	-	-	-	-	0.9

Example:

see www.opentrans.org

INVOICE_HEADER

The header is specified by the INVOICE_HEADER element. INVOICE_HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (**INVOICE_ITEM**).



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
INVOICE	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Control information	CONTROL_INFO	Can	Single	Control information for the automatic processing of business documents	-	-	-	-	0.9
Invoice information	INVOICE_INFO	Must	Single	Invoice information on the business document	-	-	-	-	0.9
Invoice history	ORDER_HISTORY	Can	Single	Information on previous orders, catalog references, skeleton agreements	-	-	-	-	0.9

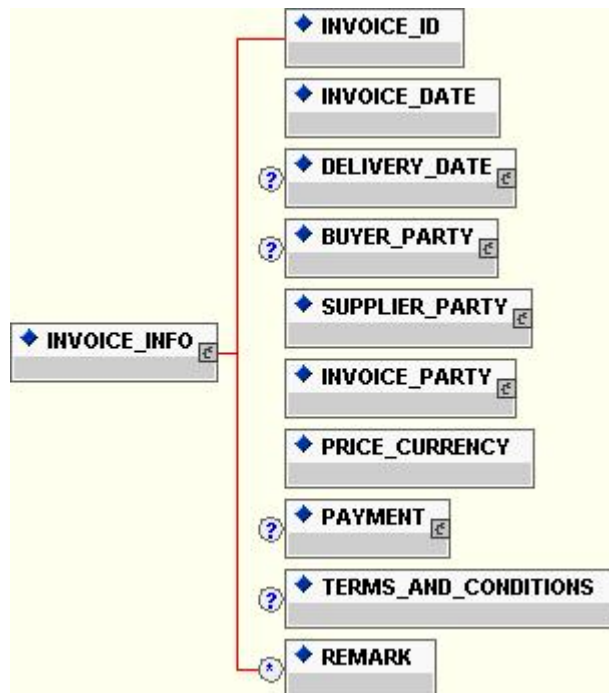
Example:

see www.opentrans.org

INVOICE_INFO

In the element, INVOICE_INFO information is summarized on the procurement activities which preceded this order.


When the element INVOICE_INFO is used, at least one of the following elements must be specified.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
INVOICE_HEADER	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Invoice number	INVOICE_ID	Must	Single	Unique invoice number of the supplier	-	STRING	-	250	0.9
Invoice date	INVOICE_DATE	Must	Single	Dates of the invoice	-	DATE TIME	-	20	0.9
Delivery date	DELIVERY_DATE type=...	Can	Single	Delivery date. The delivery date specifies the date the commissioned goods are to be received by the buyer.	-		-	-	0.9
Buyer	BUYER_PARTY	Can	Single	Buyer	-	-	-	-	0.996
Supplier	SUPPLIER_PARTY	Must	Single	Supplier, party sending the invoice	-	-	-	-	0.9
Invoice party	INVOICE_PARTY	Must	Single	Party receiving the invoice	-	-	-	-	0.996
Currency	PRICE_CURRENCY	Must	Single	Currency of price Example: DEM	-	CURRENCIES	-	3	0.9
Mode of payment	PAYMENT	Can	Single	Mode of payment	-	-	-	-	0.9
Terms and conditions	TERMS_AND_CONDITIONS	Can	Single	Reference to the underlying general terms and conditions. Reference is made to a directory (or URI). Examples: http://www.firma.de/agb.pdf	-	STRING	-	250	0.9
Remark	REMARK type=...	Can	Multiple	The remark is marked by the attribute "type" for use in different business documents.  It is only permissible to identify remarks for use in this or the following business documents using the attribute "type". Target systems are recommended to ignore remarks about previous business documents (History). It is permissible to use the attribute REMARK more than once with the same "type" attribute.	-	STRING	X	64000	0.99

Attributes for the element DELIVERY_DATE

see page 150.

Attributes for the element REMARK

see page 24.

List of permitted values for the "type" attribute of the element DELIVERY_DATE

see page 150.

List of permitted values for the "type" attribute of the element REMARK

Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

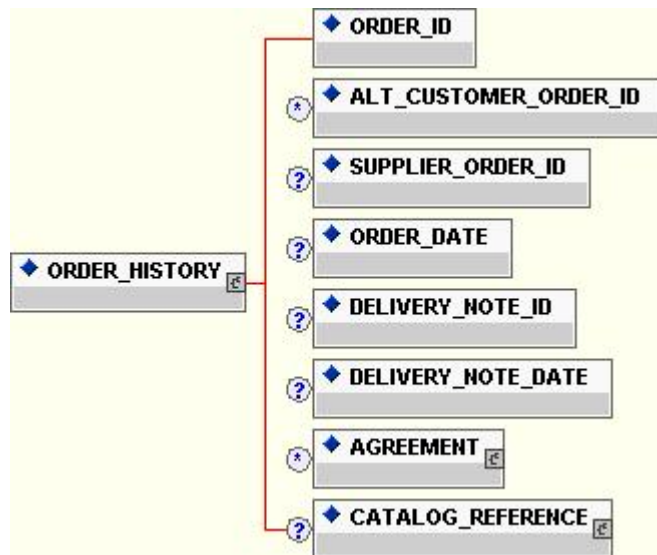
Example:

see www.opentrans.org

ORDER_HISTORY

In the element, ORDER_HISTORY information is summarized on the procurement activities which preceded this order.

When the element ORDER_HISTORY is used, at least one of the following elements must be specified.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
INVOICE_HEADER	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Single/ Multiple	Explanation	Default value	Data type	Lang. depend ant	Field length	Alt. in version
Order number of the buyer	ORDER_ID	Must	Single	Unique order number of the buyer	-	STRING	-	250	0.9
Alternative buyer's order number	ALT_CUSTOMER_ORDER_ID	Can	Multiple	Further buyer order numbers which can be specified by the buyer. Relevant in the case of orders which are passed on again. Here the order number of the original ordering party can be set down.	-	STRING	-	250	0.9
Supplier order number	SUPPLIER_ORDER_ID	Can	Single	Unique order number of supplier	-	STRING	-	250	0.9
Order date	ORDER_DATE	Can	Single	Date of the order	-	DATETIME	-	20	0.9
Delivery note number	DELIVERYNOTE_ID	Can	Single	Unique delivery note number	-	STRING	-	250	0.9
Date of the delivery note	DELIVERYNOTE_DATE	Can	Single	Dates of the delivery note	-	DATETIME	-	20	0.9
Reference to a skeleton agreement	AGREEMENT type=...	Can	Multiple	Reference to a skeleton agreement See also " List of pre-defined values for the attribute "type" of the element AGREEMENT ".	-	-	-	-	0.91
Reference to an (electronic) product catalogue	CATALOG_REFERENCE	Can	Single	Order reference to a catalog. This element can also be used as a reference to a price list.	-	-	-	-	0.9

Attributes for the element AGREEMENT

see page 194.

List of pre-defined values for the "type" attribute of the element AGREEMENT

see page 194.

INVOICE, ORDER_HISTORY

4. Transactions



Example:

see www.opentrans.org

INVOICE_ITEM_LIST

The element INVOICE_ITEM_LIST represents the item level of the invoice. The INVOICE_ITEM_LIST is made up of the individual positions on the invoice.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
INVOICE	-	-	-	-	0.9

Elements

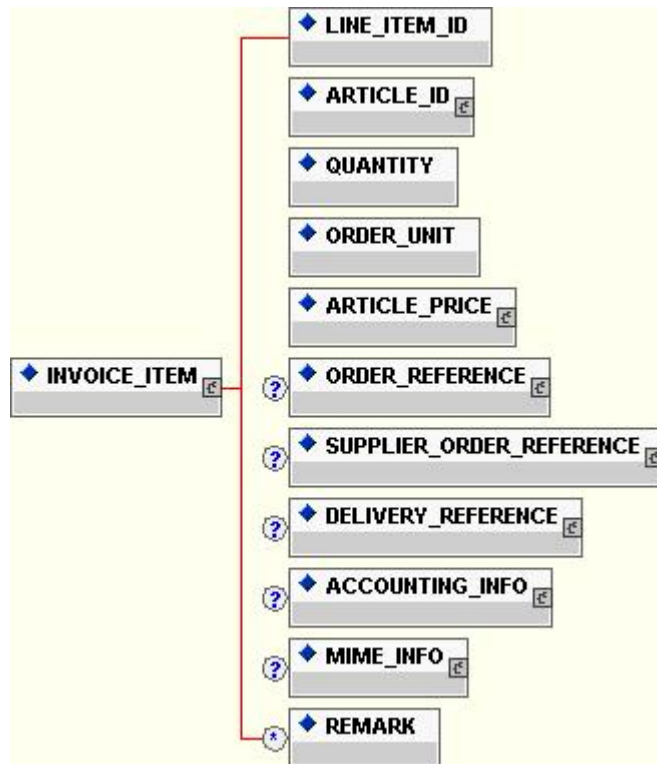
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Item line	INVOICE_ITEM	Must	Multiple	The item line contains invoice information about exactly one item.	-	-	-	-	0.9

Example:

see www.opentrans.org

INVOICE_ITEM


An item line contains invoice information on exactly one item. Any number of item lines may be used, and at least one item line must be used.




General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
INVOICE_ITEM_LIST	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Single/ Multiple	Explanation	Default value	Data type	Lang. depend ant	Field length	Alt. in version
Item number	LINE_ITEM_ID	Must	Single	The item ID number is used to uniquely identify the item line of an invoice within that invoice. In combination with the invoice number and the buyer the item number represents a unique ID number outside the specific invoice. Example: P100012	-	STRING	-	50	0.9
Article number	ARTICLE_ID	Must	Single	The article number serves to identify the commissioned item. Within the element ARTICLE_ID the element SUPPLIER_AID is specified as a unique identification.	-	-	-	-	0.9
Order quantity	QUANTITY	Must	Simple	The order quantity represents the quantity - related to the order quantity unit - of an article ordered.	-	NUMBER	-	32	0.9
Order unit of an article	ORDER_UNIT	Must	Simple	Unit in which the article can be ordered. Only multiples of the article unit can be ordered. The price also always refers to this unit (or to parts or multiples of it). Example: Crate of mineral water with 6 bottles: Order unit: "crate", contents unit/unit of the article: "bottle", Packing quantity: "6"	-	PUNIT	-	3	0.9
Article price	ARTICLE_PRICE type=...	Must	Single	This element contains information on the price of the commissioned article as well as tax information.	-	-	-	-	0.9
Order reference	ORDER_REFERENCE	Can	Single	Reference information on the order to which the invoice item relates	-	-	-	-	0.9
Supplier order reference	SUPPLIER_ORDER_REFERENCE	Can	Single	Reference information of the supplier on the order to which the invoice item relates.  While the element "Order reference" contains information on the order at the buyer's, the element "Supplier order reference" provides information on the order at the supplier's.	-	-	-	-	0.98
Delivery reference	DELIVERY_REFERENCE	Can	Single	Reference information on the delivery to which the reference item relates.	-	-	-	-	0.9
Accounting information	ACCOUNTING_INFO "	Can	Single	Information on the accounting treatment of costs incurred by the buyer as a result of the order. This information is supplied by the buyer to allow the supplier to include it in the following invoice thereby making accounting control easier for the buyer.	-	-	-	-	0.9

MIME info	MIME_INFO	Can	Single	The element contains multimedia supplementary information (e.g. images) which is transmitted for the relevant item.	-	-	-	-	0.9
Remark	REMARK type=...	Can	Multiple	<p>The remark is marked by the attribute "type" for use in different business documents</p>  <p>It is only permissible to identify remarks for use in this or the following business documents using the attribute "type". Target systems are recommended to ignore remarks about previous business documents (History). It is permissible to use the attribute REMARK more than once with the same "type" attribute.</p>	-	STRING	X	250	0.99

Attributes for the element ARTICLE_PRICE

see page 143.

Attributes for the element REMARK

see page 24.

List of pre-defined values for the "type" attribute of the element ARTICLE_PRICE

see page 144.

List of permitted values for the "type" attribute of the element REMARK

Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

INVOICE, INVOICE_ITEM

Example:

see www.opentrans.org

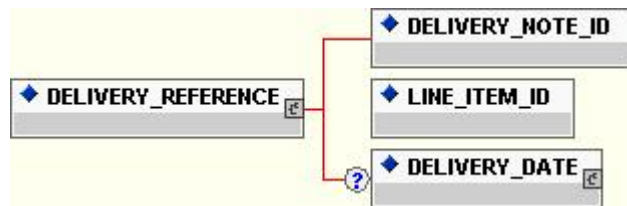
4. Transactions



DELIVERY_REFERENCE

The DELIVERY_REFERENCE element summarizes information on the delivery of the article to which the invoice relates.

Where the element DELIVERY_REFERENCE is used, at least one of the following elements must be specified.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
INVOICE_ITEM	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Delivery note number	DELIVERYNOTE_ID	Must	Single	Unique delivery note number	-	STRING	-	250	0.996
Item number	LINE_ITEM_ID	Must	Single	The item number is used for the unique identification of a item line within an delivery note. Combined with the delivery note number and the buyer the item number forms a unique ID outside the business process concerned.	-	STRING	-	50	0.9
Delivery date	DELIVERY_DATE type=...	Can	Single	Delivery date. The delivery date specifies the date the commissioned goods are to be received by the buyer.	-	-	-	-	0.9

INVOICE, DELIVERY_REFERENCE

4. Transactions



Attributes for the element DELIVERY_DATE

see page 150.

List of permitted values for the "type" attribute of the element DELIVERY_DATE

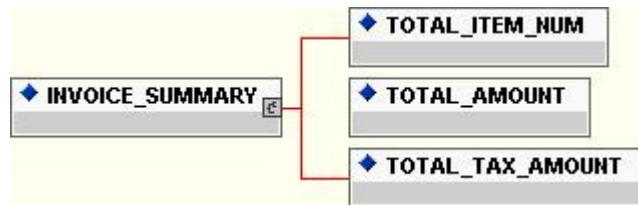
see page 151.

Example:

see www.opentrans.org

INVOICE_SUMMARY

The INVOICE_SUMMARY contains information on the number of item lines in the invoice as well as the total sum and taxes.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
INVOICE	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Total item number	TOTAL_ITEM_NUM	Must	Single	Contains the total number of item lines in the order. The information is redundant and serves only for statistical assessment, where applicable, through intermediaries.	-	COUNT	-	-	0.9
Total amount	TOTAL_AMOUNT	Must	Single	Total amount of the invoice covering all items in this business document (net price without surcharges, deductions and without tax). Where no price per item can be given as the item level (e.g. bills of materials where explosion is not possible), the total price can be entered here.	-	NUMBER	-	-	0.98
Total tax amount	TOTAL_TAX_AMOUNT	Must	Single	Total amount of tax covering all items	-	NUMBER	-	-	0.9

INVOICE, INVOICE_SUMMARY

4. Transactions



Example:

see www.opentrans.org

4.3. ORDER

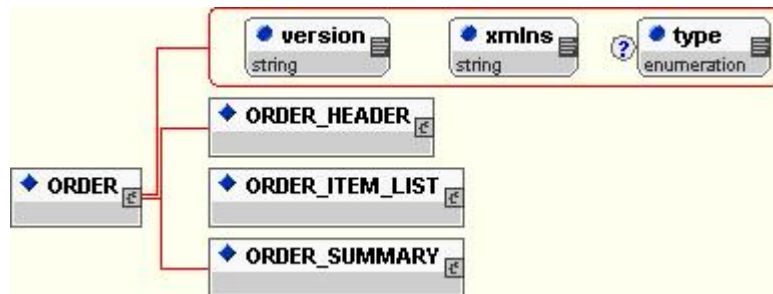
ORDER

Every valid ORDER business document in openTRANS® format is triggered by the root element ORDER and consists of a header (ORDER_HEADER), an item level (ORDER_ITEM_LIST) and a summary (ORDER_SUMMARY).

The header is at the beginning of the business document and contains global data valid for all types of business data exchange such as, for example information on suppliers or information on skeleton agreements which may exist between the buyer and the supplier. The header also lays down default settings for the following item level.

The item level contains the individual positions in the order. Here the information is transferred from the header on the item level provided the item level has not been overwritten. This principle is valid for all elements with the exception of the element **PARTIAL_SHIPMENT_ALLOWED**. Where this element is used in the header, it may not be used at item level.

The summary contains a summary of the information on the order. The information in this element is redundant and can be used for control and statistical evaluation.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
-	-	-	-	-	0.9

Attribute

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Version	version	Must	Specifies the version of the openTRANS® Standards to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0")	-	STRING	-	7	0.9
Type of order	type	Must	Specifies the type of order. see also " List of permitted values for the "type" attribute of the element ORDER ".	standard	STRING	-	20	0.9

List of permitted values for the "type" attribute of the element ORDER

Designation	Attribute value	Explanation	Alt. in version
Standard delivery	standard	Standard delivery is requested.	0.9
Express delivery	express	Express delivery is requested.	0.9
Call-forward notice	release	The order is a call-forward notice from a skeleton agreement. The skeleton agreement is specified under AGREEMENT .	0.9
release order from a consignment	consignment	Specifies the removal of an article from consignment stock (supplier's stocks at customers)	0.98

Elements

Designation	Element name	Must/Can	Single/00 Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Header level	ORDER_HEADER	Must	Single	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	0.9
Item level	ORDER_ITEM_LIST	Must	Single	The item level lists the individual positions of the order.	-	-	-	-	0.9
Summary	ORDER_SUMMARY	Must	Single	Summary of the order information. The information in this element is redundant.	-	-	-	-	0.9

ORDER, ORDER

Example:

see www.opentrans.org

4. Transactions

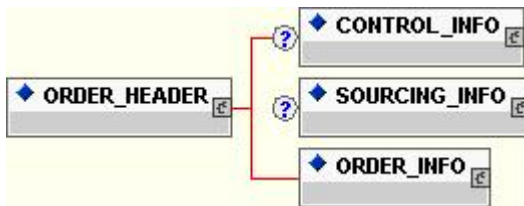


ORDER_HEADER

The header is specified by the ORDER_HEADER element. ORDER_HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (ORDER_ITEM).



The exception for overwriting at the level (ORDER_ITEM) is the element PARTIAL_SHIPMENT_ALLOWED. In this case, the value in the header overwrites the value at the item level (ORDER_ITEM).



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDER	-	-	-	-	0.9

Elements

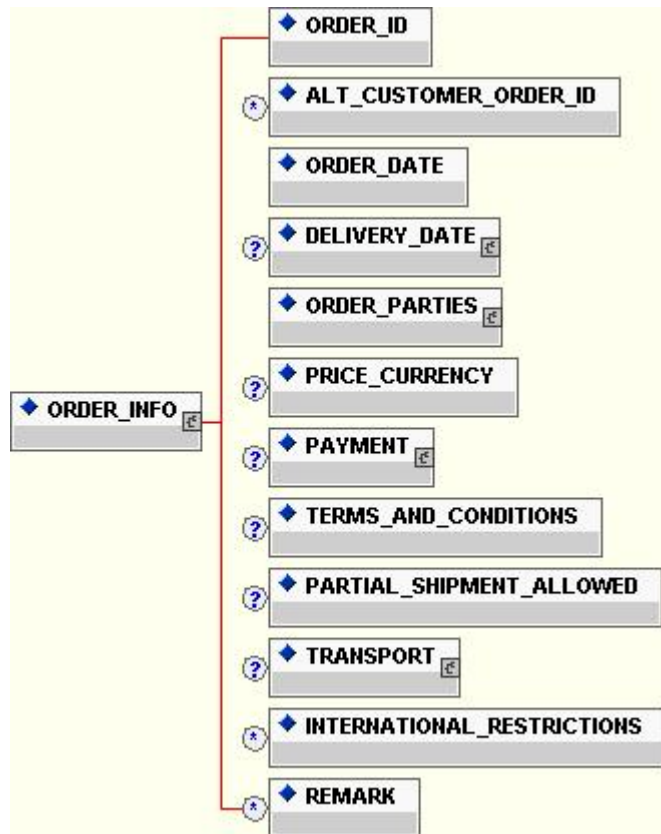
Designation	Element name	Must/ Can	Single/ Multiple	Explanation	Default value	Data type	Lang. depend ant	Field length	Alt. in version
Control information	CONTROL_INFO	Can	Single	Control information for the automatic processing of the business documents.	-	-	-	-	0.9
Sourcing information	SOURCING_INFO	Can	Single	Information about previous quotations, catalog references, skeleton agreements.	-	-	-	-	0.9
Buyer information	ORDER_INFO	Must	Single	Order information on this business document.	-	-	-	-	0.9

Example:

see www.opentrans.org

ORDER_INFO



In the element ORDER_INFO administrative information on this order is summarized.





General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDER_HEADER	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Single/ Multiple	Explanation	Default value	Data type	Lang. depend ant	Field length	Alt. in version
Order number of the buyer	ORDER_ID	Must	Single	Unique order number of the buyer	-	STRING	-	250	0.9
Alternative order number of the buyer	ALT_CUSTOMER_ORDER_ID	Can	Multiple	Further buyer order numbers which can be specified by the buyer. Relevant in the case of orders which are passed on again. Here the order number of the original ordering party can be set down.	-	STRING	-	250	0.9
Order date	ORDER_DATE	Must	Single	Dates of order	-	DATE TIME	-	20	0.9
Delivery date	DELIVERY_DATE type=...	Can	Single	Time span comprising start and finish dates for the delivery date. The delivery date specifies the date the buyer is to receive the commissioned goods. Example: A delivery in week 14/01 is given with start date 2.4.01 and finish date 6.4.01.	-	-	-	-	0.9
Business partners	ORDER_PARTIES	Must	Single	Business partners involved in processing the order.	-	-	-	-	0.9
Currency	PRICE_CURRENCY	Can	Single	Currency of price  Currency must be specified as soon as a PRICE_AMOUNT is used at item level.  Orders in different currencies are to be separated into individual orders. Example.: DEM	-	CURRENCIES	-	3	0.9
Mode of payment	PAYMENT	Can	Single	Mode of payment	-	-	-	-	0.9
Terms and Conditions	TERMS_AND_CONDITIONS	Can	Single	Reference to the underlying general terms and conditions. Reference is made to a directory (or URI). Examples: http://www.firma.de/agb.pdf	-	STRING	-	250	0.9

Partial shipment allowed	PARTIAL_SHIPMENT_ALLOWED	Can	Single	<p>Flag to indicate whether partial shipment is allowed. If they are: TRUE otherwise FALSE</p> <p>The flag is binding for the order, i.e. if the value is set to false and the supplier is unable to meet the order in the manner requested, he should turn down the order</p> <p> Where the element is used in the context of ORDER_HEADER it cannot be overwritten at the item level ORDER_ITEM.</p>	TRUE	BOOLEAN	-	5	0.9
Transport	TRANSPORT	Can	Single	Information about the terms of transport	-	-	-	-	0.9
International restrictions	INTERNATIONAL_RESTRICTIONS <i>type=...</i>	Can	Multiple	Specification of international restrictions e.g. compulsory import / export authorization	-	STRING	X	250	0.9
Remark	REMARK <i>type=...</i>	Can	Multiple	<p>The remark is marked by the attribute "<i>type</i>" for use in different business documents.</p> <p> It is only permissible to mark remarks for use in this or the following business documents by the attribute "<i>type</i>". Target systems are recommended to ignore remarks about previous business documents (history).</p>	-	STRING	X	64000	0.99

Attributes for the element DELIVERY_DATE

see page 150.

Attributes for the element INTERNATIONAL_RESTRICTIONS

see page 165.

Attributes for the element REMARK

see page 24.

List of permitted values for the "type" attribute of the element DELIVERY_DATE

see page 151.

List of pre-defined values for the "type" attribute of the element INTERNATIONAL_RESTRICTIONS

see page 166.

List of pre-defined values for the "type" attribute of the element REMARK

Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Order	order	The remark in the element REMARK is identified for use in the business document ORDER	0.99
Order change	orderchange	The remark in the element REMARK is identified for use in the business document ORDERCHANGE	0.99
Confirmation of the order	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (at present not an openTRANS®-Document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (delivery note exists in paper form only as document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

ORDER, ORDER_INFO

Example:

see www.opentrans.org

4. Transactions



ORDER_ITEM_LIST

The element ORDER_ITEM_LIST represents the lists of items in the order. The ORDER_ITEM_LIST is made up of individual order items.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDER	-	-	-	-	0.9

Elements

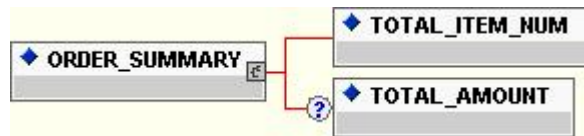
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Item line	ORDER_ITEM	Must	Multiple	The item line contains order information about exactly one item	-	-	-	-	0.9

Example:

see www.opentrans.org

ORDER_SUMMARY

The summary contains information on the number of item lines in the order. This figure is used for control purposes to make sure that all items have been transferred.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDER	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Total item number	TOTAL_ITEM_NUM	Must	Single	Contains the total number of item lines in the dispatch notification. The information is redundant and serves only for statistical assessment, where applicable through intermediaries.	-	COUNT	-	-	0.9
Total amount	TOTAL_AMOUNT	Can	Single	Total amount of the invoice covering all items in this business document (net price without surcharges, deductions and without tax). Where no price per item can be given as the item level (e.g. bills of materials which cannot be exploded), the total price can be entered here.	-	NUMBER	-	-	0.98

Example:

see www.opentrans.org

4.4. ORDERCHANGE (Changes to an order)

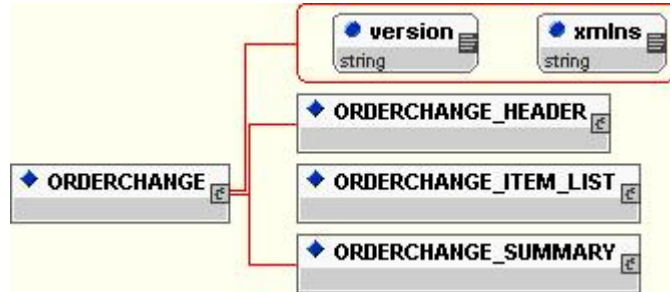
ORDERCHANGE

Every valid ORDERCHANGE business document in openTRANS® format is triggered by the root element ORDERCHANGE and consists of a header (ORDERCHANGE_HEADER), an item level (ORDERCHANGE_ITEM_LIST) and a summary (ORDERCHANGE_SUMMARY).

The header is at the beginning of the business document and contains global data valid for all types of business data exchange such as, for example information on suppliers or information on skeleton agreements which may exist between the buyer and the supplier. The header also lays down default settings for the following item level.

The item level contains the individual positions in the order. Here the information is transferred from the header on the item level provided the item level has not been overwritten. This principle is valid for all elements.

The summary contains a summary of the information on the order. The information in this element is redundant and can be used for control and statistical evaluation purposes.



General

Used in	Default value	Data type	Lang. dependent	Field length	Alt. in version
-	-	-	-	-	0.92

Attribute

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Version	version	Must	Specifies the version of the openTRANS® Standards to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0")	-	STRING	-	7	0.9

Elements

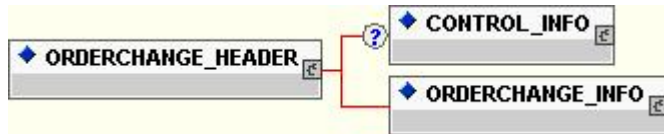
Designation	Element name	Must/Can	Single/00 Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Header level	ORDERCHANGE_HEADER	Must	Single	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	0.92
Item level	ORDERCHANGE_ITEM_LIST	Must	Single	The item level lists the individual positions of the order change	-	-	-	-	0.92
Summary	ORDERCHANGE_SUMMARY	Must	Single	Summary of the orderchange information. The information in this element is redundant.	-	-	-	-	0.92

Example:

see www.opentrans.org

ORDERCHANGE_HEADER

The header is specified by the ORDERCHANGE_HEADER element. ORDERCHANGE_HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (ORDERCHANGE_ITEM).



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDERCHANGE	-	-	-	-	0.92

Elements

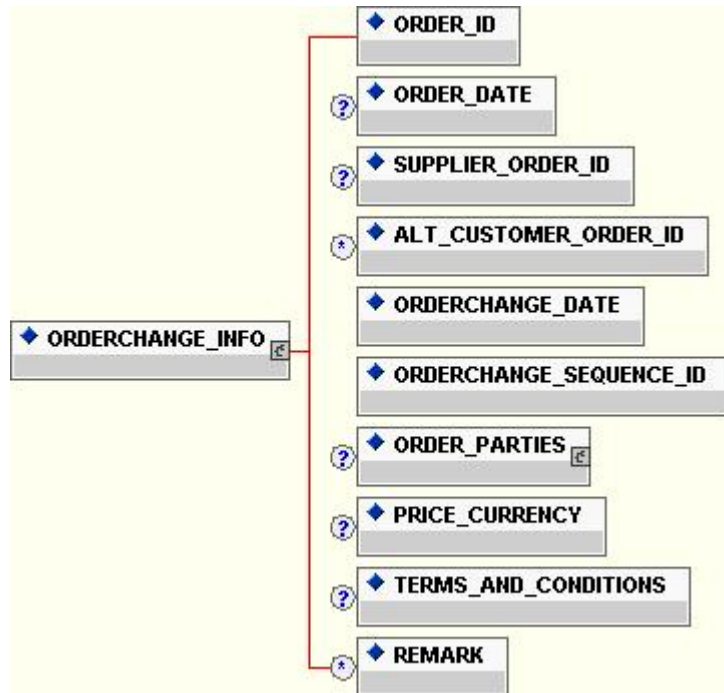
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Control information	CONTROL_INFO	Can	Single	Control information for the automatic processing of the business documents	-	-	-	-	0.9
Order change information	ORDERCHANGE_INFO	Must	Single	Order information on this business document.	-	-	-	-	0.92

Example:

see www.opentrans.org

ORDERCHANGE_INFO



In the element ORDERCHANGE_INFO administrative information on this order is summarized




General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDERCHANGE_HEADER	-	-	-	-	0.92

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Order number of the buyer	ORDER_ID	Must	Single	Unique order number of the buyer	-	STRING	-	250	0.9
Alternative order number of the buyer	ALT_CUSTOMER_ORDER_ID	Can	Multiple	Further buyer order numbers which can be specified by the buyer. Relevant in the case of orders which are passed on again. Here the order number of the original ordering party can be set down.	-	STRING	-	250	0.9
Order date	ORDER_DATE	Can	Single	Dates of order.	-	DATE TIME	-	20	0.9
Supplier's order ID	SUPPLIER_ORDER_ID	Can	Single	Unique order number of the supplier.	-	STRING	-	250	0.92
Date of order change	ORDERCHANGE_DATE	Must	Single	Dates of the alteration in the order.	-	DATE TIME	-	20	0.92
Order change sequence	ORDERCHANGE_SEQUENCE_ID	Must	Single	The alteration sequence is increased by one with the dispatch of each ORDERCHANGE business document. The numbering begins at 1.	-	COUNT	-	-	0.92
Business partners	ORDER_PARTIES	Must	Single	Business partners involved in the order processing.	-	-	-	-	0.9
Currency	PRICE_CURRENCY	Can	Single	<p>Currency price.</p> <p> Currency must be specified as soon as a PRICE_AMOUNT is used at item level.</p> <p> Orders in different currencies are to be separated into individual orders.</p> <p>Example: DEM</p>	-	CURRENCIES	-	3	0.9
Terms and Conditions	TERMS_AND_CONDITIONS	Can	Single	<p>Reference to the underlying general terms and conditions. Reference is made to a directory (or URI).</p> <p>Examples: http://www.firma.de/agb.pdf</p>	-	STRING	-	250	0.9

Remark	REMARK type=...	Can	Multiple	<p>The remark is marked by the attribute "type" for use in different business documents.</p> <p> It is only permissible to mark remarks for use in this or following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK several times with the same "type" attribute.</p>	-	STRING	X	64000	0.99
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Attributes for the element REMARK

see page 24.

List of pre-defined values for the "type" attribute of the element REMARK

Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Order change	orderchange	The remark in the element REMARK is identified for use in the business document ORDERCHANGE	0.99
Confirmation of the order	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (at present not an openTRANS [®] -Document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (delivery note exists in paper form only as document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

ORDERCHANGE (Changes to an order), ORDERCHANGE_INFO

4. Transactions



Example:

see www.opentrans.org

ORDERCHANGE_ITEM_LIST

The element ORDERCHANGE_ITEM_LIST represents the list of items in the order. Die ORDERCHANGE_ITEM_LIST is made up of the individual order items to be altered or added to.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDERCHANGE	-	-	-	-	0.92

Elements

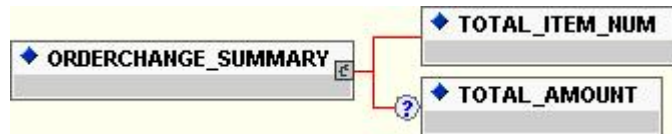
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Item line	ORDER_ITEM	Must	Multiple	The item line contains order information about exactly one item	-	-	-	-	0.92

Example:

see www.opentrans.org

ORDERCHANGE_SUMMARY

The summary contains information on the number of item lines in the order change. This figure is used for control purposes to make sure that all items have been transferred.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDERCHANGE	-	-	-	-	0.92

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Total number of items	TOTAL_ITEM_NUM	Must	Single	Contains the total number of item lines in the order. The information is redundant and is for the purposes of statistical evaluation, by an intermediary if appropriate.	-	COUNT	-	-	0.9
Total amount	TOTAL_AMOUNT	Can	Single	Total amount of the invoice covering all items in this business document (net price without surcharges, deductions and without tax). Where no price per item can be given as the item level (e.g. bills of materials which cannot be exploded), the total price can be entered here.	-	NUMBER	-	-	0.98

Example:

see www.opentrans.org

4.5. ORDERRESPONSE (Confirmation of the order)

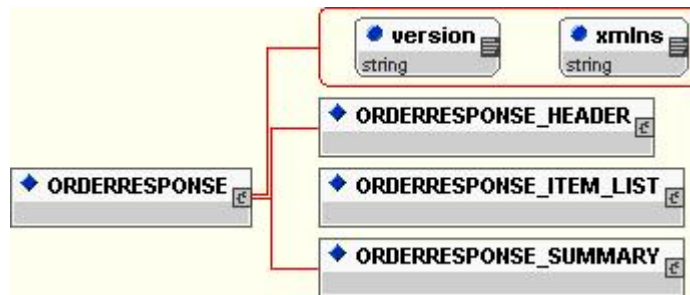
ORDERRESPONSE

Every valid ORDERRESPONSE business document in openTRANS®-Format is triggered by the root element ORDERRESPONSE and consists of a header (ORDERRESPONSE_HEADER), an item level (ORDERRESPONSE_ITEM_LIST) and a summary (ORDERRESPONSE_SUMMARY).

The header is at the beginning of the business document and contains global data valid for all types of business data exchange such as, for example information on suppliers or information on skeleton agreements which may exist between the buyer and the supplier. The header also lays down default settings for the following item level.

The item level contains the individual positions in the order. In this, information is taken over from the header on the item level, provided it has not been overwritten on item level.

The summary contains a summary of the information on the order. The information in this element is redundant and can be used for control and statistical purposes.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
-	-	-	-	-	0.92

Attribute

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Version	version	Must	Specifies the version of the openTRANS® Standard to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0")	-	STRING	-	7	0.9

Elements

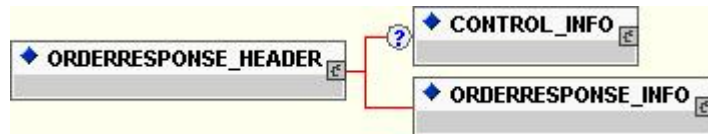
Designation	Element name	Must/Can	Single/00 Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Header level	ORDERRESPONSE_HEADER	Must	Single	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	0.92
Item level	ORDERRESPONSE_ITEM_LIST	Must	Single	In the Item level the individual order items being confirmed are listed.	-	-	-	-	0.92
Summary	ORDERRESPONSE_SUMMARY	Must	Single	Summary of the orderresponse information. The information in this element is redundant.	-	-	-	-	0.92

Example:

see www.opentrans.org

ORDERRESPONSE_HEADER

The header is specified by the ORDERRESPONSE_HEADER element. ORDERRESPONSE_HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (ORDERRESPONSE_ITEM).



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDER	-	-	-	-	0.9

Elements

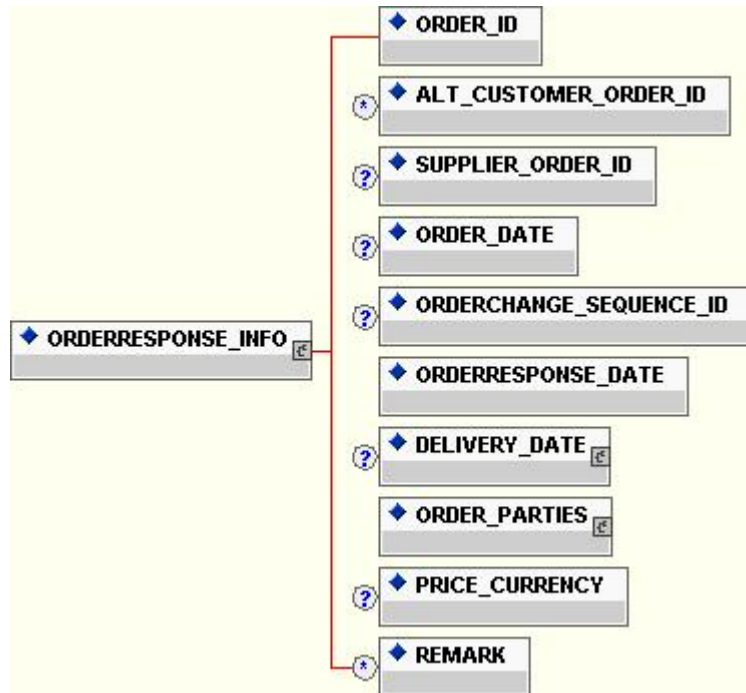
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Control information	CONTROL_INFO	Can	Single	Control information for the automatic processing of the business documents	-	-	-	-	0.9
Information on the business document	ORDERRESPONSE_INFO	Must	Single	Order information on this business document.	-	-	-	-	0.92

Example:

see www.opentrans.org

ORDERRESPONSE_INFO



In the element ORDERRESPONSE_INFO administrative information on this order is summarized.




General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDERRESPONSE_HEADER	-	-	-	-	0.92

Elements

Designation	Element name	Must/ Can	Single/ Multiple	Explanation	Default value	Data type	Lang. depend ant	Field length	Alt. in version
Order number of the buyer	ORDER_ID	Must	Single	Unique order number of the buyer	-	STRING	-	250	0.9
Alternative order number of the buyer	ALT_CUSTOMER_ORDER_ID	Can	Multiple	Further buyer order number which can be specified by the buyer. Relevant in the case of orders which are passed on again. Here the order number of the original ordering party can be set down.	-	STRING	-	250	0.9
Supplier's order number	SUPPLIER_ORDER_ID	Can	Single	Unique order number of the supplier	-	STRING	-	250	0.92
Order date	ORDER_DATE	Can	Single	Dates of order	-	DATE	-	20	0.9
Order change sequence	ORDERCHANGE_SEQUENCE_ID	Can	Single	The alteration sequence is increased by one with the dispatch of each ORDERCHANGE business document. The numbering begins at 1.	-	COUNT	-	-	0.92
Date of confirmation of order	ORDER_RESPONSE_DATE	Must	Single	Date of confirmation of order receipt.	-	DATE	-	20	0.92
Delivery date	DELIVERY_DATE type=...	Can	Single	Time span comprising start and finish dates for the delivery date. The delivery date specifies the date the buyer is to receive the commissioned goods. Example: A delivery in week 14/01 is given with start date 2.4.01 and finish date 6.4.01.	-	-	-	-	0.9
Business partners	ORDER_PARTIES	Must	Single	Business partners involved in processing the order.	-	-	-	-	0.9
Currency	PRICE_CURRENCY	Can	Single	Currency price.  Currency must be specified as soon as a PRICE_AMOUNT is used at item level.  Orders in different currencies are to be separated into individual orders. Example: DEM	-	CURRENCIES	-	3	0.9

Remark	REMARK type=...	Can	Multiple	<p>The remark is marked by the attribute "type" for use in different business documents.</p> <p> It is only permissible to mark remarks for use in this or the following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK several times with the same "type" attribute.</p>	-	STRING	X	250	0.99
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Attributes for the element DELIVERY_DATE

see page 150.

Attributes for the element REMARK

see page 24.

List of permitted values for the "type" attribute of the element DELIVERY_DATE

see page 151.

List of permitted values for the "type" attribute of the element REMARK

Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Confirmation of order	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (at present not an openTRANS [®] -Document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (delivery note exists in paper form only as document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

ORDERRESPONSE_ITEM_LIST

The element ORDER_ITEM_LIST represents the list of items in the order. The ORDER_ITEM_LIST is made up of the individual order items.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDERRESPONSE	-	-	-	-	0.92

Elements

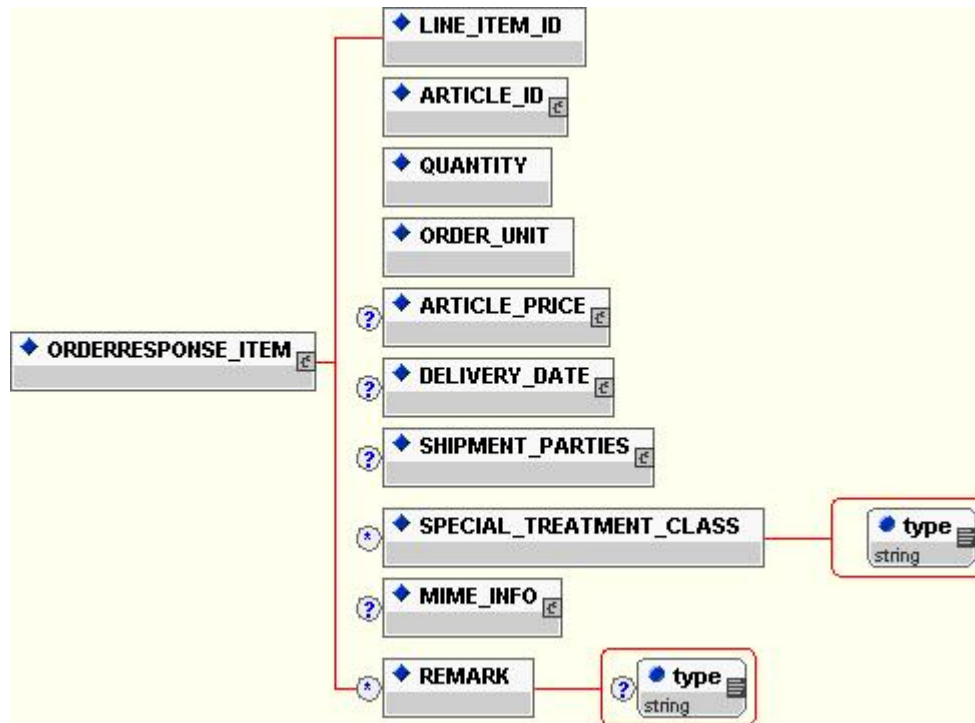
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Item line	ORDERRESPONSE_ITEM	Must	Multiple	The item line contains order information about exactly one item	-	-	-	-	0.92

Example:

see www.opentrans.org

ORDERRESPONSE_ITEM


An item line contains order information on exactly one item. Any number of item lines may be used, and at least one must be used.




General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDERRESPONSE_ITEM_LIST	-	-	-	-	0.92

Elements

Designation	Element name	Must/ Can	Single/ Multiple	Explanation	Default value	Data type	Lang. depend ant	Field length	Alt. in version
Item number	LINE_ITEM_ID	Must	Single	<p>The item ID number is used to uniquely identify the item line within an order. In combination with the order number and the buyer, the item number represents a unique ID number outside the business process concerned.</p>  <p>The item number always refers to the item number of the order. No new numbering is issued in the order confirmation.</p> <p>Example: P100012</p>	-	STRING	-	50	0.9
Article number	ARTICLE_ID	Must	Single	<p>The article number serves to identify the commissioned item. Within the element ARTICLE_ID the element SUPPLIER_AID is specified as a unique identification.</p>	-	-	-	-	0.9
Order quantity	QUANTITY	Must	Simple	<p>The order quantity represents the quantity - related to the order quantity unit - of an article ordered.</p>	-	NUMBER	-	32	0.9
Order unit of an article	ORDER_UNIT	Must	Simple	<p>Unit in which the article can be ordered. Only multiples of the article unit can be ordered.</p> <p>The price also always refers to this unit (or to parts or multiples of it).</p> <p>Example: Crate of mineral water with 6 bottles: Order unit: "crate", contents unit/unit of the article: "bottle", Packing quantity: "6"</p>	-	PUNIT	-	3	0.9
Article price	ARTICLE_PRICE type=...	Can	Single	<p>This element contains information on the price of the commissioned article as well as tax information.</p>	-	-	-	-	0.9
Delivery date	DELIVERY_DATE type=...	Can	Single	<p>Delivery date. The delivery date specifies the date the commissioned goods are to be received by the buyer.</p> <p>Should the delivery date differ from the delivery date specified on the header, the delivery date at item level applies.</p>	-	-	-	-	0.9
Shipment parties	SHIPMENT_PARTIES	Can	Single	<p>Business partners who are integrated into the procedure of processing the delivery of the goods.</p>	-	-	-	-	0.9

Special treatment class	SPECIAL_TREATMENT_CLASS type=...	Can	Multiple	<p>Additional classification of an article for hazardous goods and substances, fabricated materials for drugs, radioactive measuring equipment etc.; the attribute "type" fixes the special treatment regulation, the class is fixed within the order with regard to value (see also "Attributes of the element SPECIAL_TREATMENT_CLASS").</p> <p>Example: (Act covering the road haulage of hazardous materials (GGVS), heating oil) <code><SPECIAL_TREATMENT_CLASS type="GGVS">1201</SPECIAL_TREATMENT_CLASS></code></p>	-	STRING	-	20	0.9
MIME add-ons	MIME_INFO	Can	Single	The element contains additional multimedia (e.g. photos) which can be transmitted for the item concerned.	-	-	-	-	0.9
Remark	REMARK type=...	Can	Multiple	<p>The remark is marked by the attribute "type" for use in different business documents.</p>  <p>It is only permissible to mark remarks for use in this or the following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK several times with the same "type" attribute.</p>	-	STRING	X	250	0.99

Attributes of the element ARTICLE_PRICE

see page 143.

Attributes of the elements DELIVERY_DATE

see page 150.

Attributes of the element SPECIAL_TREATMENT_CLASS

see page 165.

Attributes of the element REMARK

see page 24.

List of permitted values for the "type" attribute of the element ARTICLE_PRICE

see page 144.

List of permitted values for the "type" attribute of the element DELIVERY_DATE

see page 151.

List of permitted values for the "type" attribute of the element REMARK

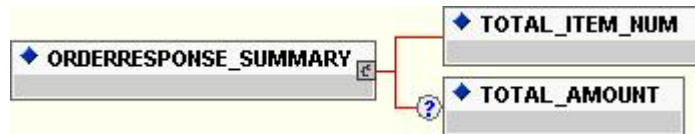
Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Confirmation of order	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (at present not an openTRANS®-Document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (delivery note exists in paper form only as document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPT ACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

ORDERRESPONSE_SUMMARY

The summary contains information on the number of item lines in the order response. This figure is used for control purposes to make sure that all items have been transferred.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
ORDERRESPONSE	-	-	-	-	0.92

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Total number of items	TOTAL_ITEM_NUM	Must	Single	Contains the total number of item lines in the dispatch notification. The information is redundant and is for the purposes of statistical evaluation, by an intermediary if appropriate.	-	COUNT	-	-	0.9
Total amount	TOTAL_AMOUNT	Can	Single	Total amount of the invoice covering all items in this business document (net price without surcharges, deductions and without tax). Where no price per item can be given as the item level (e.g. bills of materials which cannot be exploded), the total price can be entered here.	-	NUMBER	-	-	0.98

Example:

see www.opentrans.org

4.6. QUOTATION

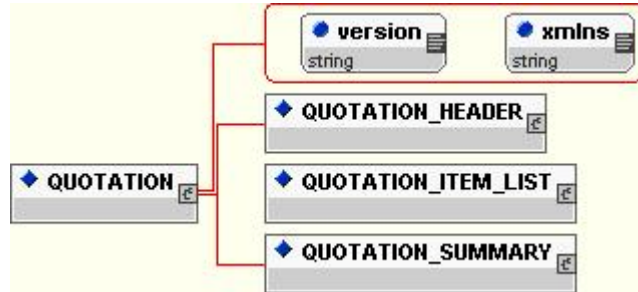
QUOTATION

Every valid QUOTATION business document in openTRANS® format is triggered by the root element QUOTATION and consists of a header (QUOTATION_HEADER), an item level (QUOTATION_ITEM_LIST) and a summary (QUOTATION_SUMMARY).

The header is at the beginning of the business document and contains global data valid for all types of business data exchange such as, for example information on suppliers or information on skeleton agreements which may exist between the buyer and the supplier. The header also lays down default settings for the following item level.

The item level contains the individual positions in the order. Here the information is taken from the header on the item level provided the item level has not been overwritten. This principle is valid for all elements.

The summary contains a summary of the information on the quotation. The information in this element is redundant and can be used for control and statistical evaluation purposes.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
-	-	-	-	-	0.98

Attribute

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Version	version	Must	Specifies the version of the openTRANS® Standards to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0")	-	STRING	-	7	0.9

Elements

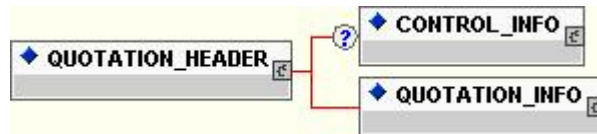
Designation	Element name	Must/Can	Single/00 Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Header level	QUOTATION_HEADER	Must	Single	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	0.9
Item level	QUOTATION_ITEM_LIST	Must	Single	The item level lists the individual positions of the quotation.	-	-	-	-	0.98
Summary	QUOTATION_SUMMARY	Must	Single	Summary of the quotation information. The information in this element is redundant.	-	-	-	-	0.98

Example:

see www.opentrans.org

QUOTATION_HEADER

The header is specified by the QUOTATION_HEADER element. QUOTATION_HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (QUOTATION).



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
QUOTATION	-	-	-	-	0.98

Elements

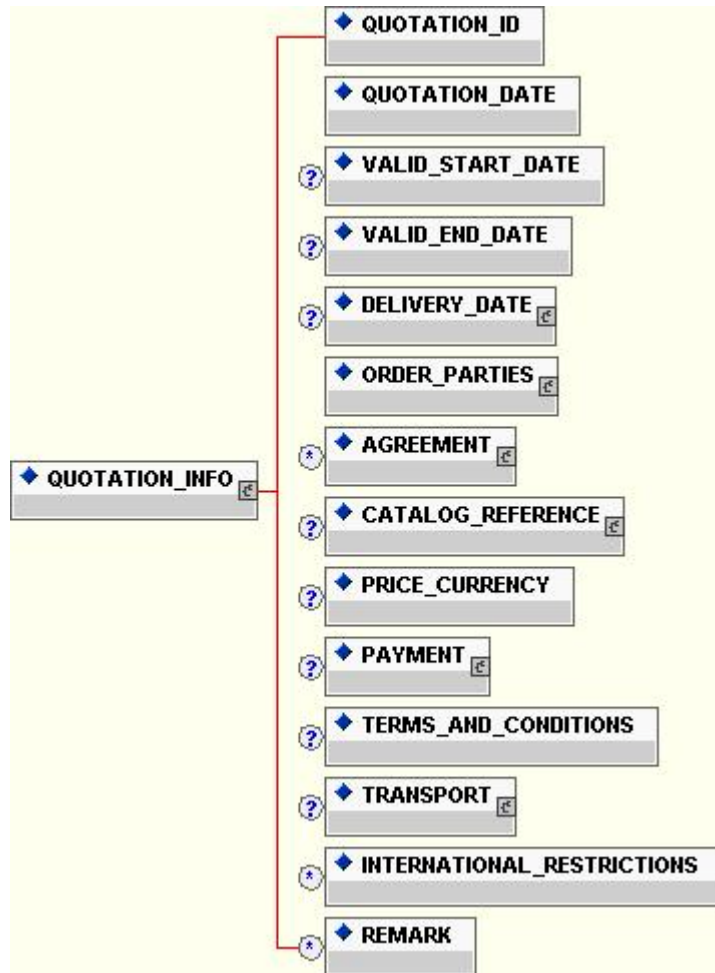
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Control information	CONTROL_INFO	Can	Single	Control information for the automatic processing of the business documents	-	-	-	-	0.9
Buyer's information	QUOTATION_INFO	Must	Single	Order information on this business document.	-	-	-	-	0.9

Example:

see www.opentrans.org

QUOTATION_INFO



In the element QUOTATION_INFO administrative information on this order is summarized.




General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
QUOTATION_HEADER	-	-	-	-	0.98

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Supplier's quotation number	QUOTATION_ID	Must	Single	Unique quotation number of the supplier	-	STRING	-	250	0.9
Quotation date	QUOTATION_DATE	Must	Single	Dates of the quotation	-	DATE TIME	-	20	0.99
Valid start date	VALID_START_DATE	Can	Single	Dates for the beginning of the period of validity of the quotation		DATE TIME		20	0.98
Valid end date	VALID_END_DATE	Can	Single	Dates for the end of the period of validity of the quotation		DATE TIME		20	0.98
Delivery date	DELIVERY_DATE type=...	Can	Single	Time span comprising start and finish dates for the delivery date. The delivery date specifies the date the buyer is to receive the commissioned goods. Example: A delivery in week 14/01 is given with start date 2.4.01 and finish date 6.4.01.	-	-	-	-	0.9
Business partners	ORDER_PARTIES	Must	Single	Business partners involved in processing the order	-	-	-	-	0.9
Reference to a skeleton agreement	AGREEMENT type=...	Can	Multiple	Reference to a skeleton agreement. See also " List of pre-defined values for the attribute "type" of the element AGREEMENT ".	-	-	-	-	0.91
Reference to an (electronic) product catalog	CATALOG_REFERENCE	Can	Single	Order reference to a catalog. This element can also be used as a reference to a price list.	-	-	-	-	0.9
Currency	PRICE_CURRENCY	Can	Single	Currency of price  Currency must be specified as soon as a PRICE_AMOUNT is used at item level.  Orders in different currencies are to be separated into individual orders. Example.: DEM	-	CURRENCIES	-	3	0.9

Mode of payment	PAYMENT	Can	Single	Payment procedure	-	-	-	-	0.9
Terms and conditions	TERMS_AND_CONDITIONS	Can	Single	Reference to the underlying general terms and conditions. Reference is made to a directory (or URI). Examples: http://www.firma.de/agb.pdf	-	STRING	-	250	0.9
Transport	TRANSPORT	Can	Single	Information about the transport terms	-	-	-	-	0.9
International restrictions	INTERNATIONAL_RESTRICTIONS type=...	Can	Multiple	Specification of international restrictions e.g. compulsory import / export authorization	-	STRING	X	250	0.9
Remark	REMARK type=...	Can	Multiple	The remark is marked by the attribute " type " for use in different business documents.  It is only permissible to mark remarks for use in this or the following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK several times with the same "type" attribute.	-	STRING	X	64000	0.99

Attributes for the element DELIVERY_DATE

see page 150.

Attributes for the element AGREEMENT

see page 194.

Attributes for the element INTERNATIONAL_RESTRICTIONS

see page 165.

QUOTATION, QUOTATION_INFO

4. Transactions



Attributes for the element REMARK

see page 24.

List of permitted values for the "type" attribute of the element DELIVERY_DATE

see page 151.

List of permitted values for the "type" attribute of the element AGREEMENT

see page 194.

List of pre-defined values for the "type" attribute of the element INTERNATIONAL_RESTRICTIONS

see page 166.

List of pre-defined values for the "type" attribute of the element REMARK

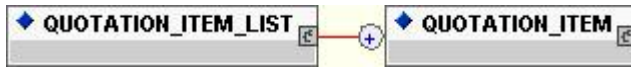
Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Quotation	quotation	The remark in the element REMARK is identified for use in the business document QUOTATION	0.99
Order	order	The remark in the element REMARK is identified for use in the business document ORDER	0.99
Order change	orderchange	The remark in the element REMARK is identified for use in the business document ORDERCHANGE	0.99
Confirmation of order	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (at present not an openTRANS®-Document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (delivery note exists in paper form only as document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

QUOTATION_ITEM_LIST

The element QUOTATION_ITEM_LIST represents the list of items in the quotation. The QUOTATION_ITEM_LIST is made up of individual quotation items.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
QUOTATION	-	-	-	-	0.98

Elements

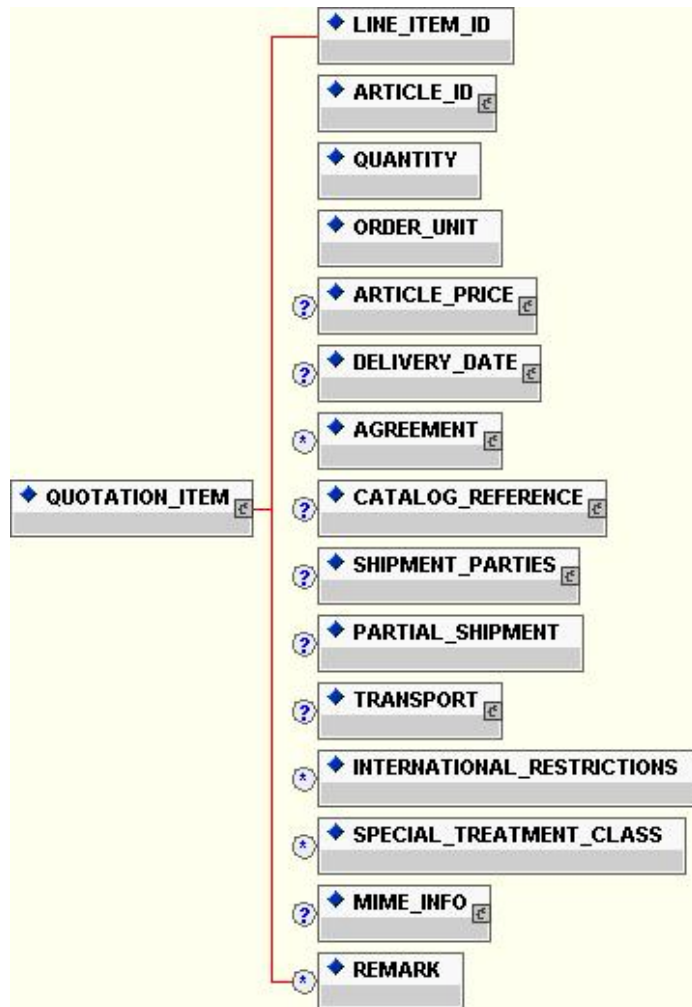
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Item line	ORDER_ITEM	Must	Multiple	The item line contains information about exactly one item.	-	-	-	-	0.99

Example:

see www.opentrans.org

QUOTATION_ITEM

An item line contains the quotation information about exactly one item. Any number of item lines may be used, at least one item line must be used.





General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
QUOTATION_ITEM_LIST	-	-	-	-	0.99

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Item number	LINE_ITEM_ID	Must	Single	The item ID number is used to uniquely identify the item line of the quotation within an order. In combination with the number of the quotation and the buyer the item number represents a unique ID number outside the business process concerned. Example: Q385024	-	STRING	-	50	0.9
Article number	ARTICLE_ID	Must	Single	The article number serves to identify the commissioned item. Within the element ARTICLE_ID the element SUPPLIER_AID has to be specified for the purpose of unique identification.	-	-	-	-	0.9
Order quantity	QUANTITY	Must	Simple	The order quantity represents the quantity - related to the order quantity unit - of an article ordered.	-	NUMBER	-	32	0.9
Order unit of an article	ORDER_UNIT	Must	Simple	Unit in which the article can be ordered. Only multiples of the article unit can be ordered. The price also always refers to this unit (or to parts or multiples of it). Example: Crate of mineral water with 6 bottles: Order unit: "crate", contents unit/unit of the article: "bottle", Packing quantity: "6"	-	PUNIT	-	3	0.9
Price of article	ARTICLE_PRICE type=...	Can	Single	This element contains information on the price of the ordered item as well as tax information.	-	-	-	-	0.9
Delivery date	DELIVERY_DATE type=...	Can	Single	Delivery date. The delivery date specifies the date the commissioned goods are to be received by the buyer. Should the delivery date differ from the delivery date specified on the header, the delivery date at item level applies.	-	-	-	-	0.9
Reference to a skeleton agreement	AGREEMENT type=...	Can	Multiple	Reference to a skeleton agreement see also " List of pre-defined values for the attribute "type" of the element AGREEMENT ".	-	-	-	-	0.91
Reference to an (electronic) product catalogue	CATALOG_REFERENCE	Can	Single	Order reference to a catalog. This element can also be used as a reference to a price list.	-	-	-	-	0.9
Shipment parties	SHIPMENT_PARTIES	Can	Single	Business partners who are integrated into the process of delivery	-	-	-	-	0.9

Partial shipment allowed	PARTIAL_SHIPMENT	Can	Single	Flag to indicate whether partial deliveries are allowed. If they are: TRUE otherwise FALSE	-	BOOLEAN	-	5	0.99
Transport	TRANSPORT	Can	Single	Information about the terms of transport.	-	-	-	-	0.9
International restrictions	INTERNATIONAL_RESTRICTIONS type=...	Can	Multiple	Specification of international restrictions e.g. compulsory import/export authorization  At present, the export control authorities only check the information on order header level.	-	STRING	X	250	0.9
Special treatment class	SPECIAL_TREATMENT_CLASS type=...	Can	Multiple	Additional classification of an article for hazardous goods and substances, fabricated materials for drugs, radioactive measuring equipment etc.; the attribute " type " fixes the special treatment regulation, the class is fixed within the order with regard to value (see also " Attributes of the element SPECIAL_TREATMENT_CLASS "). Example: (Act covering the road haulage of hazardous materials (GGVS), heating oil) <SPECIAL_TREATMENT_CLASS type="GGVS">1201 </SPECIAL_TREATMENT_CLASS>	-	STRING	-	20	0.9
MIME add-ons	MIME_INFO	Can	Single	The element contains additional multimedia information (e.g. photos) which can be transmitted for the item concerned.	-	-	-	-	0.9
Remark	REMARK type=...	Can	Multiple	The remark is marked by the attribute " type " for use in different business documents.  It is only permissible to mark remarks for use in this or the following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK several times with the same "type" attribute..	-	STRING	X	250	0.99

Attributes for the element ARTICLE_PRICE

see page 143.

QUOTATION, QUOTATION_ITEM

Attributes for the element Elements DELIVERY_DATE

see page 150.

Attributes for the element AGREEMENT

see page 194.

Attributes for the element INTERNATIONAL_RESTRICTIONS

see page 165.

Attributes for the element SPECIAL_TREATMENT_CLASS

see page 165.

Attributes for the element REMARK

see page 24.

List of pre-defined values for the "type" attribute of the element ARTICLE_PRICE

see page 144.

List of permitted values for the "type" attribute of the element DELIVERY_DATE

see page 151.

List of pre-defined values for the "type" attribute of the element AGREEMENT

see page 194.

List of pre-defined values for the "type" attribute of the element INTERNATIONAL_RESTRICTIONS

see page 166.

List of pre-defined values for the "type" attribute of the element REMARK

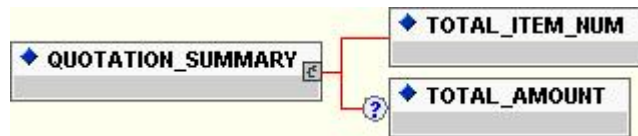
Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Quotation	quotation	The remark in the element REMARK is identified for use in the business document QUOTATION	0.99
Order	order	The remark in the element REMARK is identified for use in the business document ORDER	0.99
Orderchange	orderchange	The remark in the element REMARK is identified for use in the business document ORDERCHANGE	0.99
Confirmation of order	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (at present not an TRANS [®] -Document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (delivery note exists in paper form only as document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

QUOTATION_SUMMARY

The summary contains information on the number of item lines in the quotation. This figure is used for control purposes to make sure that all items have been transferred.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
QUOTATION	-	-	-	-	0.98

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Total item number	TOTAL_ITEM_NUM	Must	Single	Contains the total number of item lines in the quotation. The information is redundant and is for the purposes of statistical evaluation, by an intermediary if appropriate.	-	COUNT	-	-	0.9
Total amount	TOTAL_AMOUNT	Can	Single	Total amount of the quotation covering all items in this business document (net price without surcharges, deductions and without tax). Where no price per item can be given as the item level (e.g. bills of materials which cannot be exploded), the total price can be entered here.	-	NUMBER	-	-	0.98

Example:

see www.opentrans.org

4.7. RECEIPTACKNOWLEDGEMENT (Confirmation of receipt of goods)

RECEIPTACKNOWLEDGEMENT

The business document RECEIPTACKNOWLEDGEMENT is used to convey information on the receipt of the goods.

Every valid RECEIPTACKNOWLEDGEMENT in openTRANS® format is triggered by the root element RECEIPTACKNOWLEDGEMENT and consists of a header (RECEIPTACKNOWLEDGEMENT_HEADER), an item level (RECEIPTACKNOWLEDGEMENT_ITEM_LIST) and a summary (RECEIPTACKNOWLEDGEMENT_SUMMARY).

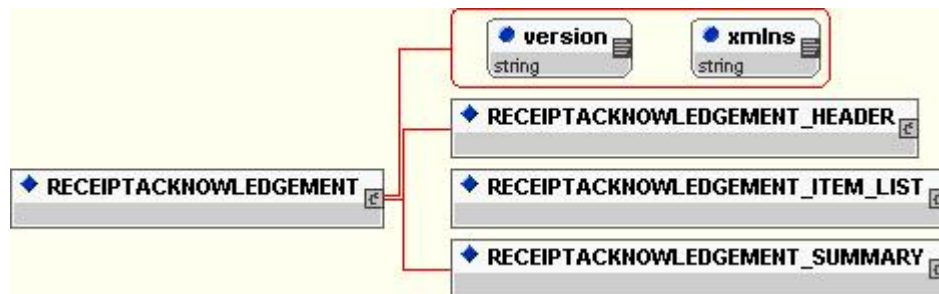
The header is at the beginning of the business document and contains global data valid for all types of business data exchange such as, for example information on the automatic processing of the business document or information identifying the document. The header also lays down default settings for the following item level.

The item level contains the individual positions in the receipt acknowledgement. Here the information is taken from the header on the item level provided the item level has not been overwritten.

The summary contains a summary of the information on the receipt acknowledgement. The information in this element is redundant and can be used for control and statistical purposes and statistical evaluation



The document RECEIPTACKNOWLEDGEMENT may only be send once per article or article list, i.e. multiple confirmation of receipt of the goods, e.g. through the goods receiving department and the final recipient is not permitted.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
-	-	-	-	-	0.995

Attribute

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Version	version	Must	Specifies the version of the openTRANS® Standards to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0")	-	STRING	-	7	0.98

Elements

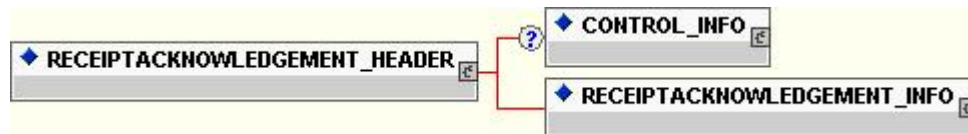
Designation	Element name	Must/Can	Single/00 Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Header level	RECEIPTACKNOWLEDGEMENT_HEADER	Must	Single	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	0.995
Item level	RECEIPTACKNOWLEDGEMENT_ITEM_LIST	Must	Single	The item level lists the individual positions of the confirmation of receipt of goods.	-	-	-	-	0.995
Summary	RECEIPTACKNOWLEDGEMENT_SUMMARY	Must	Single	Summary of the item information on the receipt acknowledgement. The information in this element is redundant.	-	-	-	-	0.995

Example:

see www.opentrans.org

RECEIPTACKNOWLEDGEMENT_HEADER

The header is specified by the RECEIPTACKNOWLEDGEMENT_HEADER element. RECEIPTACKNOWLEDGEMENT_HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (RECEIPTACKNOWLEDGEMENT).



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
RECEIPTACKNOWLEDGEMENT	-	-	-	-	0. 995

Elements

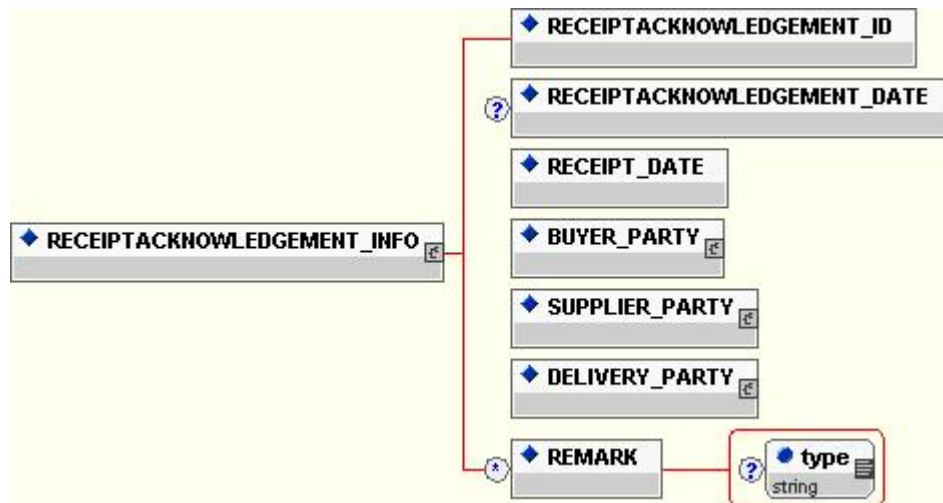
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Control information	CONTROL_INFO	Can	Single	Control information for the automatic processing of the business documents	-	-	-	-	0.9
Dispatch notification - information	RECEIPTACKNOWLEDGEMENT_INFO	Must	Single	Information on the business partners and for identification of the business document.	-	-	-	-	0. 98

Example:

see www.opentrans.org

RECEIPTACKNOWLEDGEMENT_INFO


In the element RECEIPTACKNOWLEDGEMENT_INFO administrative information on this order is summarized.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
RECEIPTACKNOWLEDGEMENT_HEADER	-	-	-	-	0. 995

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Receipt acknowledgement number	RECEIPTACKNOWLEDGEMENT_ID	Must	Single	Unique receipt acknowledgement number of the buyer.	-	STRING	-	250	0.995
Receipt acknowledgement date	RECEIPTACKNOWLEDGEMENT_DATE	Can	Single	Dates of the receipt acknowledgement.	-	DATETIME	-	20	0.995
Receipt date	RECEIPT_DATE	Must	Single	Dates the commissioned goods are received by the buyer. If the receipt date deviates from the one specified on the header, the delivery date on item level applies.	-	DATETIME	-	20	0.99
Buyer	BUYER_PARTY	Must	Single	Buyer, sender of the receipt acknowledgement	-	-	-	-	0.9
Supplier	SUPPLIER_PARTY	Must	Single	Supplier, recipient of the receipt acknowledgement	-	-	-	-	0.9
Delivery party	DELIVERY_PARTY	Must	Single	Address and contacts for the delivery	-	-	-	-	0.9
Remark	REMARK type=...	Can	Multiple	The remark is marked by the attribute "type" for use in different business documents.  It is only permissible to mark remarks for use in this or the following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK several times with the same "type" attribute.	-	STRING	X	64000	0.99

Attributes for the element REMARK

see page 24.

List of pre-defined values for the "type" attribute of the element REMARK

Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.995
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

RECEIPTACKNOWLEDGEMENT_ITEM_LIST

The element RECEIPTACKNOWLEDGEMENT_ITEM_LIST represents the item level of the receipt acknowledgement. Die RECEIPTACKNOWLEDGEMENT_ITEM_LIST is made up of individual positions of the receipt acknowledgement.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
RECEIPTACKNOWLEDGEMENT	-	-	-	-	0. 995

Elements

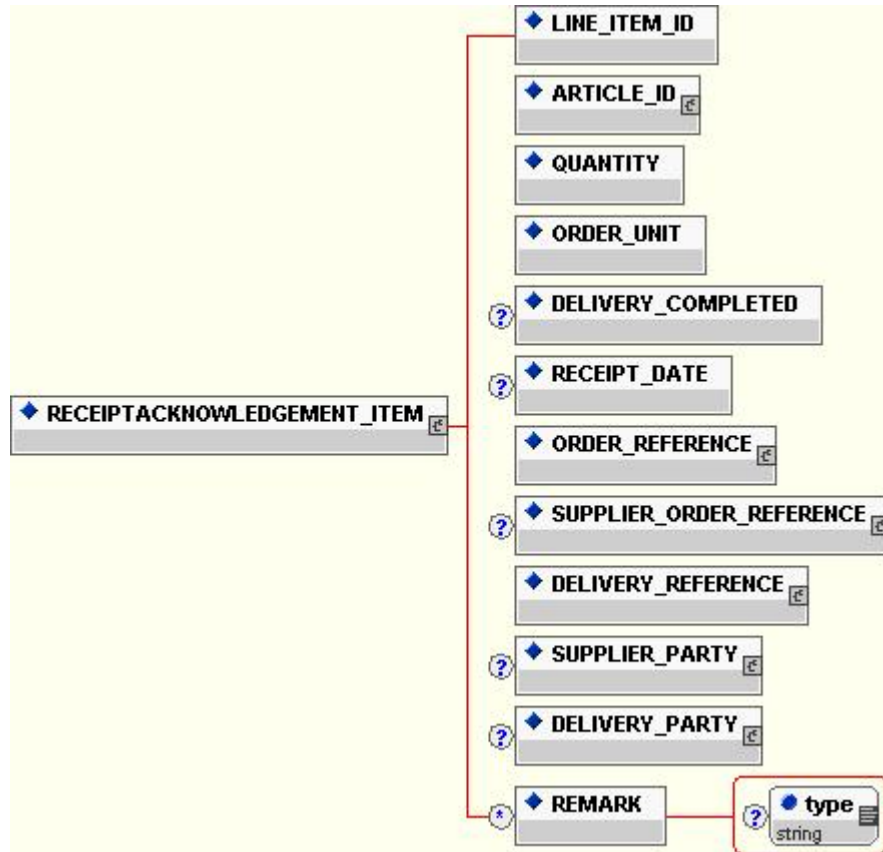
Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Item line	RECEIPTACKNOWLEDGEMENT_ITEM	Must	Multiple	The item line contains the receipt acknowledgement information on exactly one item.	-	-	-	-	0. 995

Example:

see www.opentrans.org

RECEIPTACKNOWLEDGEMENT_ITEM


An item line contains the information on precisely one position of the receipt acknowledgement. Any number of item lines may be used, and at least one must be used.





General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
RECEIPTACKNOWLEDGEMENT_ITEM_LIST	-	-	-	-	0. 995

Elements

Designation	Element name	Must/Can	Single/Multiple	Explanation	Default value	Data type	Lang. dependent	Field length	Alt. in version
Line item number	LINE_ITEM_ID	Must	Single	The item line of a receipt acknowledgement is uniquely identified within an order by the item number. In combination with the receipt acknowledgement number the buyer, the item number constitutes a unique identification outside of the relevant business transaction. Example: P100012	-	STRING	-	50	0.9
Article number	ARTICLE_ID	Must	Single	The article number serves to identify the commissioned item. Within the element ARTICLE_ID the element SUPPLIER_AID has to be specified for the purpose of unique identification.	-	-	-	-	0.9
Order quantity	QUANTITY	Must	Simple	The order quantity represents the quantity - related to the order quantity unit - of an article ordered.	-	NUMBER	-	32	0.9
Order unit of an article	ORDER_UNIT	Must	Simple	Unit in which the article can be ordered. Only multiples of the article unit can be ordered. The price also always refers to this unit (or to parts or multiples of it). Example: Crate of mineral water with 6 bottles: Order unit: "crate", contents unit/unit of the article: "bottle", Packing quantity: "6"	-	PUNIT	-	3	0.9
Delivery completed	DELIVERY_COMPLETED	Can	Single	This element contains information on the completion of the delivery. If the element is TRUE, the relevant order item has been delivered in full. In the case of FALSE, at least a part of the order remains to be delivered.  Where the order items as defined in ORDER have not yet been delivered in full and the value set at TRUE, the order item is completed for the buyer/recipient and not further partial shipment is required.	-	BOOLEAN	-	-	0.99
Receipt date	RECEIPT_DATE	Can	Single	Dates for the arrival of the goods at the buyer. Should the receipt date differ from the delivery date specified on the header, the receipt date at item level applies.	-	DATE TIME	-	20	0.99
Order reference	ORDER_REFERENCE	Must	Single	Reference information on the order to which the receipt acknowledgement item relates.	-	-	-	-	0.9

Supplier order reference	SUPPLIER_ORDER_REFERENCE	Can	Single	Reference information of the supplier about the order to which the receipt acknowledgement relates.  While the element "Order reference" contains information on the order at the buyer's, the element "Supplier order reference" provides information on the order at the supplier's.	-	-	-	-	0.92
Delivery reference	DELIVERY_REFERENCE	Must	Single	Reference information on the order to which the reference item refers	-	-	-	-	0.99
Supplier	SUPPLIER_PARTY	Can	Single	Supplier, sender of the dispatch notification	-	-	-	-	0.9
Delivery address	DELIVERY_PARTY	Can	Single	Address and contacts for the delivery.	-	-	-	-	0.99
Remark	REMARK type=...	Can	Multiple	The remark is marked by the attribute " type " for use in different business documents.  It is only permissible to mark remarks for use in this or the following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK several times with the same "type" attribute.	-	STRING	X	250	0.99

Attributes of the element REMARK

see page 24.

List of pre-defined values for the "type" attribute of the element REMARK

Designation	Attribute value	Explanation	Alt. in version
General	general		0.9
Receipt acknowledgement	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

RECEIPTACKNOWLEDGEMENT (Confirmation of receipt of goods), RECEIPTACKNOWLEDGEMENT_ITEM

4. Transactions



Example:

see www.opentrans.org

RECEIPTACKNOWLEDGEMENT_SUMMARY

The summary contains information on the number of item lines in the receipt acknowledgement. This figure is used for control purposes to make sure that all items have been transferred.



General

Used in	Default value	Data type	Lang. dependant	Field length	Alt. in version
RECEIPTACKNOWLEDGEMENT	-	-	-	-	0. 995

Elements

Designation	Element name	Must/ Can	Single/ Multiple	Explanation	Default value	Data type	Lang. dependant	Field length	Alt. in version
Number of item lines	TOTAL_ITEM_NUM	Must	Single	Contains the total number of item lines in the receipt acknowledgement. The information is redundant and is for the purposes of statistical evaluation, by an intermediary if appropriate.	-	COUNT	-	-	0.9

Example:

see www.opentrans.org

4.8. RFQ (Request For Quotation)

RFQ

Every valid RFQ business document in the openTRANS[®]-format is triggered by the root element ORDER and consists of a header (RFQ_HEADER), an item level (RFQ_ITEM_LIST) and a summary (RFQ_SUMMARY).

The header is at the beginning of the business document and contains global data valid for all types of business data exchange, such as information on suppliers information about a skeleton agreement which can exist between the buying company and the supplier. The header also lays down default settings for the following item level.

The item level contains the individual positions of the request for quotation. In this, information is taken over from the header on the item level, provided it has not been overwritten on item level. This principle is valid for all elements with the exception of the **PARTIAL_SHIPMENT_ALLOWED** element. If this element is used in the header, it must not be used on item level.

The summary contains a summary of the request for quotation information. The information in this element is redundant and can be used for purposes of controls and statistics.




General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
-	-	-	-	-	0.98

Attributes

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Version	version	Must	Indicates the version of the openTRANS® Standard to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0")	-	STRING	-	7	0.9
Type of request for quotation	type	Must	Specifies the type of request for quotation. See also " List of permissible value for the "type" attribute of the RFQ ".	standard	STRING	-	20	0.98

List of permissible value for the "type" attribute of the RFQ element

Designation	Attribute value	Explanation	Mod. in version
Standard delivery	standard	A standard delivery is being requested for this order.	0.9
Express delivery	express	An express delivery is being requested for this order.	0.9
Release	release	The request for quotation is a release from a skeleton agreement. The skeleton agreement is specified under AGREEMENT .  If prices have been laid down for the articles listed under RFQ_ITEM the use of a quotation is not meaningful.	0.9

Elements

Designation	Element name	Must/Can	Simple/00 Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Header level	RFQ_HEADER	Must	Simple	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	0.98
Item level	RFQ_ITEM_LIST	Must	Simple	The item level lists the individual positions of the request for quotation.	-	-	-	-	0.98
Summary	RFQ_SUMMARY	Must	Simple	Summary of the request for quotation information. The information in this element is redundant.	-	-	-	-	0.98

Example:

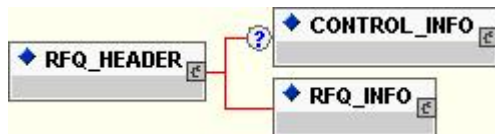
see www.opentrans.org

RFQ_HEADER

The header is specified by the RFQ_HEADER element. RFQ_HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (RFQ_ITEM).



The exception for overwriting on item level (RFQ_ITEM) is the element PARTIAL_SHIPMENT_ALLOWED. In this case the value in the header overwrites the value on item level (RFQ_ITEM).



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
RFQ	-	-	-	-	0.98

Elements

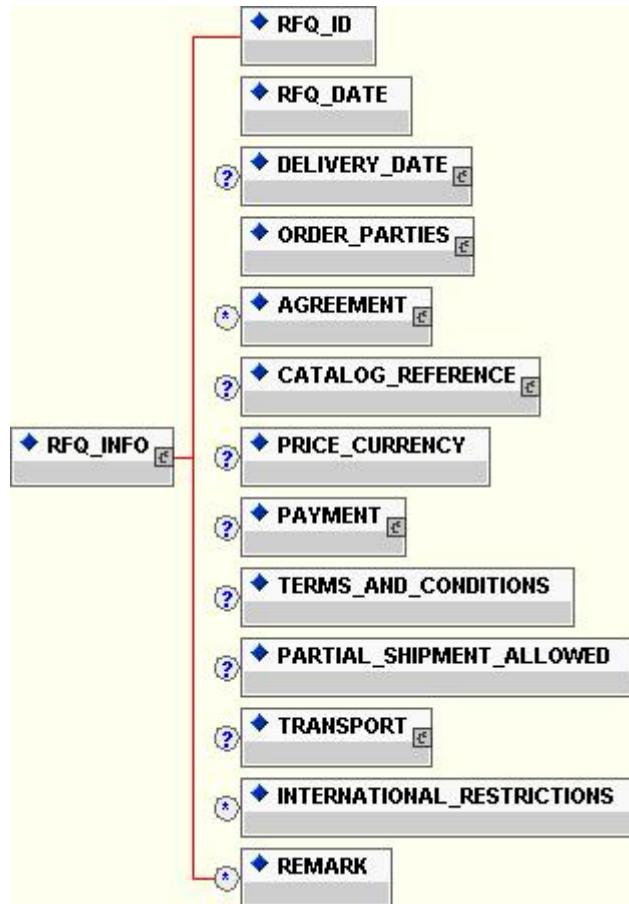
Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Control information	CONTROL_INFO	Can	Simple	Control information for the automatic processing of the business document.	-	-	-	-	0.9
Buyer information	QUOTATION_INFO	Must	Simple	Order information about this business document.	-	-	-	-	0.9

Example:

see www.opentrans.org

RFQ_INFO




The RFQ_INFO element summarizes administrative information about this request for quotation.





General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
RFQ_HEADER	-	-	-	-	0.98

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Number of the request for quotation	RFQ_ID	Must	Simple	Unique number for the request for quotation from the buyer.	-	STRING	-	250	0.98
Date of the request for quotation	RFQ_DATE	Must	Simple	Date of the request for quotation.	-	DATE	-	20	0.98
Delivery date	DELIVERY_DATE type=...	Can	Simple	Time span comprising start and finish dates for the delivery date. The delivery date specifies the date the buyer is to receive the commissioned goods. Example: A delivery in week 14/01 is given with start date 2.4.01 and finish date 6.4.01.	-	-	-	-	0.9
Business partner	ORDER_PARTIES	Must	Simple	Business partners who are integrated in the order processing process.	-	-	-	-	0.9
Reference to a skeleton agreement	AGREEMENT type=...	Can	Multiple	Reference to a skeleton agreement. See also " List of pre-defined values for the attribute "type" of the element AGREEMENT ".	-	-	-	-	0.91
Reference to an (electronic) product catalog	CATALOG_REFERENCE	Can	Simple	Order reference to a catalog. This element can also be used as a reference to a price list.	-	-	-	-	0.9
Price currency	PRICE_CURRENCY	Can	Simple	Currency of the price.  The currency has to be given as soon as a PRICE_AMOUNT is used on item level.  Requests for quotation in different currencies must be separated into individual requests for quotation. E.g.: DEM	-	CURRENCIES	-	3	0.9
Mode of payment	PAYMENT	Can	Simple	Payment procedure  The PAYMENT element is to be interpreted by the recipient of the document as a requested mode of payment. The binding payment procedure is laid down in the order.	-	-	-	-	0.9

Terms and Conditions	TERMS_AND_CONDITIONS	Can	Simple	Reference to the underlying general terms and conditions. Reference is made to a directory (or URI). E.g.: http://www.firma.de/agb.pdf	-	STRING	-	250	0.9
Partial shipment allowed	PARTIAL_SHIPMENT_ALLOWED	Can	Simple	Flag to indicate whether partial shipment is allowed. If allowed: TRUE otherwise FALSE The flag indicates the buyer requirement.  If the element is used in the context RFQ_HEADER it cannot be overwritten on RFQ_ITEM item level.	TRUE	BOOLEAN	-	5	0.9
Type of transport	TRANSPORT	Can	Simple	Information about the terms of transport.	-	-	-	-	0.9
International shipment restrictions	INTERNATIONAL_RESTRICTIONS type=...	Can	Multiple	Details of international restrictions e.g. compulsory import / export authorization	-	STRING	X	250	0.9
Remark	REMARK type=...	Can	Multiple	The remark is identified by the attribute "type" for use in different business documents.  It is only permissible to identify remarks for use in this or following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK more than once with the same "type" attribute.	-	STRING	X	64000	0.99

Attributes for the element DELIVERY_DATE

see page 150.

Attributes for the element AGREEMENT

see page 194.

Attributes for the element INTERNATIONAL_RESTRICTIONS

see page 165.

Attributes for the element REMARK

see page 24.

List of permissible values for the attribute "type" of the element DELIVERY_DATE

see page 151.

List of pre-defined values for the attribute "type" of the element AGREEMENT

see page 194.

List of pre-defined values for the attribute "type" of the element INTERNATIONAL_RESTRICTIONS

see page 166.

List of pre-defined values for the attribute "type" of the element REMARK

Designation	Attribute value	Explanation	Mod. in version
General	general		0.9
Request for submission of quotation	rfq	The remark in the element REMARK is identified for use in the business document RFQ	0.99
Quotation	quotation	The remark in the element REMARK is identified for use in the business document QUOTATION	0.99
Order	order	The remark in the element REMARK is identified for use in the business document ORDER	0.99
Order change	orderchange	The remark in the element REMARK is identified for use in the business document ORDERCHANGE	0.99
Order response	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (currently not an openTRANS® document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (only existent in paper form as a document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

RFQ_ITEM_LIST

The element RFQ_ITEM_LIST represents the item level of the order. The RFQ_ITEM_LIST is made up of the individual positions of a request for quotation.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
RFQ	-	-	-	-	0.98

Elements

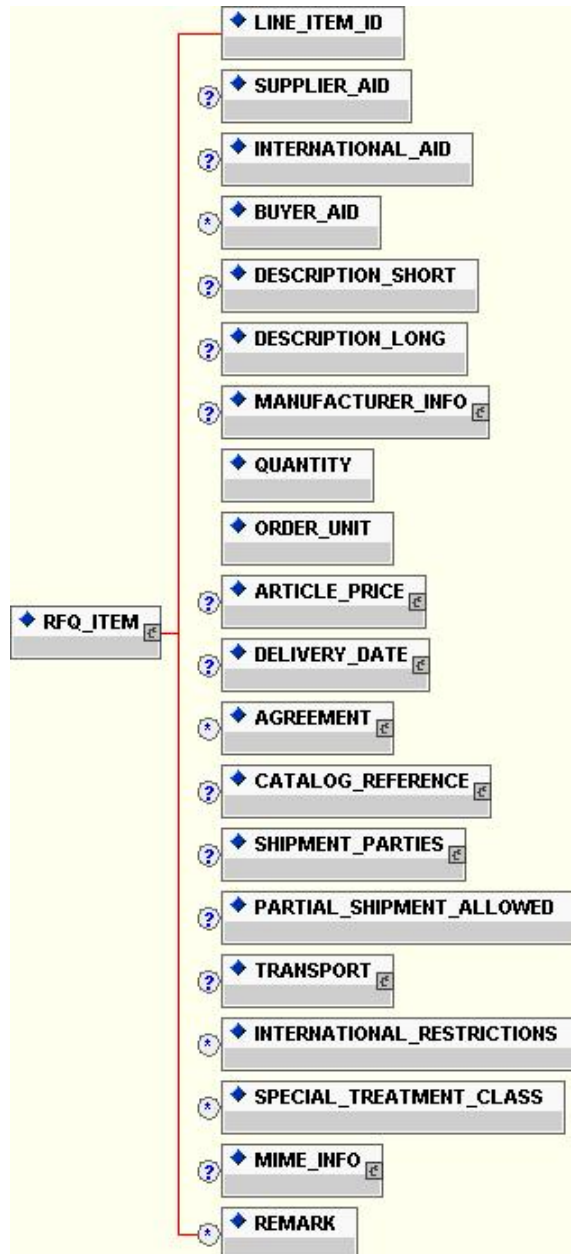
Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Item line	RFQ_ITEM	Must	Multiple	The item line contains order information about exactly one item	-	-	-	-	0.99

Example:

see www.opentrans.org

RFQ_ITEM


An item line contains the requested order information about exactly one item. Any number of item lines may be used, but at least one item line must be used.







General


Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
RFQ_ITEM_LIST	-	-	-	-	0.99

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Item number	LINE_ITEM_ID	Must	Simple	The item ID number is used to uniquely identify the item line of request for quotation within an order. In combination with the number of the request for quotation and the buyer the item number represents a unique ID number outside the business process concerned. E.g.: R322029	-	STRING	-	50	0.99
Basic/ article number of the supplier	SUPPLIER_AID	Can	Simple	Unique supplier article number. Some target systems are not able to take over all 32 characters (e.g. SAP max. 18 characters). For this reason we recommend keeping the article number as short as possible.	-	STRING	-	32	0.99
International article number	INTERNATIONAL_AID <i>type=...</i>	Can	Simple	The international article number marks an article according to international conventions, e.g. EAN. The convention is specified by the attribute " type ".	-	STRING	-	32	0.9
Article number of the buying company	BUYER_AID <i>type=...</i>	Can	Multiple	Article number of the buying company. The attribute " type " fixes the type of article number of the buying company (see also " Attributes for the element BUYER_AID ").  A distinction must be made between the values of the " type " attribute for multiple use.	-	STRING	-	50	0.9
Short description	DESCRIPTION_SHOR T	Can	Simple	Short description or name of the article.	-	STRING	X	80	0.9

Long description	DESCRIPTION_LONG	Can	Simple	<p>Long description of the article.</p> <p></p> <p>Format: In order to be able to transfer HTML-tags, such as e.g. for bold type, <i> for italics, <p> for paragraphs,
 for line breaks and / for list representation, the characters '>' and '<' have to be coded using their appropriate character references so that an XML-parser will accept the BMEcat® file.</p> <p>Example: '<' = &lt; or '>' = &gt;</p> <p>See also "Coding in XML"</p> <p></p> <p>The target system has to support the interpretation of the tags in order to receive the required format.</p>	-	STRING	X	64000	0.9
Manufacturer information	MANUFACTURER_IN FO	Can	Simple	Information assigned to the article by the manufacturer is stored here.	-	-	-	-	0.9
Order quantity	QUANTITY	Must	Simple	The order quantity represents the quantity - related to the order quantity unit - of an article ordered.	-	NUMBER	-	32	0.9
Order unit of an article	ORDER_UNIT	Must	Simple	<p>Unit in which the article can be ordered. Only multiples of the article unit can be ordered.</p> <p>The price also always refers to this unit (or to parts or multiples of it).</p> <p>Example: Crate of mineral water with 6 bottles: Order unit: "crate", contents unit/unit of the article: "bottle", Packing quantity: "6"</p>	-	PUNIT	-	3	0.9
Article price	ARTICLE_PRICE type=...	Can	Simple	This element contains information about the price and control information about the article ordered.	-	-	-	-	0.9
Delivery date	DELIVERY_DATE type=...	Can	Simple	<p>Delivery date. The delivery date specifies the date the commissioned goods are to be received by the buyer.</p> <p>If the delivery date deviates from the one specified in the header, the delivery date on item level is valid.</p>	-	-	-	-	0.9
Reference to a skeleton agreement	AGREEMENT type=...	Can	Multiple	<p>Reference to a skeleton agreement.</p> <p>See also "List of pre-defined values for the attribute "type" of the element AGREEMENT".</p>	-	-	-	-	0.91

Reference to an (electronic) product catalog	CATALOG_REFEREN CE	Can	Simple	Order reference to a catalog. This element can also be used as a reference to a price list.	-	-	-	-	0.9
Shipment parties	SHIPMENT_PARTIES	Can	Simple	Business partners who are integrated into the procedure of processing the delivery of the goods.	-	-	-	-	0.9
Partial shipment allowed	PARTIAL_SHIPMENT_ ALLOWED	Can	Simple	Flag to indicate whether partial deliveries are allowed. If they are: TRUE otherwise FALSE The flag indicates the buyer's specification.  If the element is used in the context of RFQ_HEADER it cannot be overwritten on item level RFQ_ITEM.	TRUE	BOOLE AN	-	5	0.99
Partial shipment allowed	PARTIAL_SHIPMENT_ ALLOWED	Can	Simple	Flag to indicate whether partial deliveries are allowed. If they are: TRUE otherwise FALSE	-	BOOLE AN	-	5	0.99
Transport	TRANSPORT	Can	Simple	Information about the terms of transport.	-	-	-	-	0.9
International delivery restrictions	INTERNATIONAL_RE STRICTIONS type=...	Can	Multiple	Specification of international restrictions e.g. compulsory import / export authorization  At present, the export control authorities only check the information on order header level.	-	STRING	X	250	0.9
Special treatment class	SPECIAL_TREATMEN T_CLASS type=...	Can	Multiple	Additional classification of an article for hazardous goods and substances, fabricated materials for drugs, radioactive measuring equipment etc.; the attribute " type " fixes the special treatment regulation, the class is fixed within the order with regard to value (see also " Attributes of the element SPECIAL_TREATMENT_CLASS "). Example: (Act covering the road haulage of hazardous materials (GGVS), heating oil) <pre><SPECIAL_TREATMENT_CLASS type="GGVS">1201 </SPECIAL_TREATMENT_CLASS></pre>	-	STRING	-	20	0.9
MIME add-ons	MIME_INFO	Can	Simple	The element contains additional multimedia information (e.g. photos), which can be transferred for the item concerned.	-	-	-	-	0.9

Remark	REMARK type=...	Can	Multiple	<p>The remark is marked by the attribute "type" for use in different business documents.</p>  <p>It is only permissible to identify remarks for use in this or the following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK several times with the same "type" attribute.</p>	-	STRING	X	250	0.99
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Attributes of the element INTERNATIONAL_AID

see page 140.

Attributes of the element BUYER_AID

see page 140.

Attributes of the element ARTICLE_PRICE

see page 143.

Attributes of the element DELIVERY_DATE

see page 150.

Attributes for the element AGREEMENT

see page 194.

RFQ (Request For Quotation), RFQ_ITEM

4. Transactions

Attributes of the element INTERNATIONAL_RESTRICTIONS

see page 165.

Attributes of the element SPECIAL_TREATMENT_CLASS

see page 165.

Attributes of the element REMARK

see page 24.

List of pre-defined values for the attribute "type" of the element INTERNATIONAL_AID

see page 140.

List of pre-defined values for the attribute "type" of the element ARTICLE_PRICE

see page 144.

List of permissible values for the attribute "type" of the element DELIVERY_DATE

see page 151.

List of pre-defined values for the attribute "type" of the element AGREEMENT

see page 194.

List of pre-defined values for the attribute "type" of the element INTERNATIONAL_RESTRICTIONS

see page 166.

List of pre-defined values for the attribute "type" of the element REMARK

Designation	Attribute value	Explanation	Mod. in version
General	general		0.9
Request for quotation	rfq	The remark in the element REMARK is identified for use in the business document RFQ	0.99
Quotation	quotation	The remark in the element REMARK is identified for use in the business document QUOTATION	0.99
Order	order	The remark in the element REMARK is identified for use in the business document ORDER	0.99
Order change	orderchange	The remark in the element REMARK is identified for use in the business document ORDERCHANGE	0.99
Order response	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (currently not an openTRANS [®] -document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (only existent in paper form as a document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

RFQ_SUMMARY

The summary contains information about the number of item lines in the request for quotation. This figure is used for control purposes to make sure that all items have been transferred.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
RFQ	-	-	-	-	0.98

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Total number of items	TOTAL_ITEM_NUM	Must	Simple	Contains the total number of item lines in the request for quotation. The information is redundant and is for the purposes of statistical evaluation, by an intermediary if appropriate.	-	COUNT	-	-	0.9

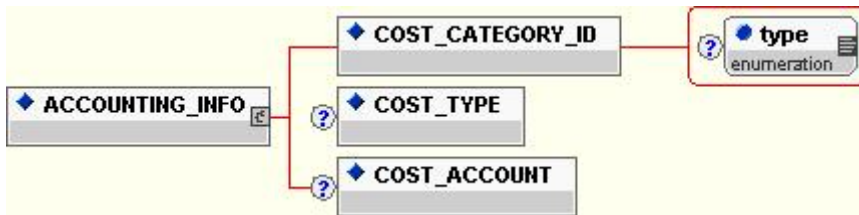
Example:

see www.opentrans.org

5. Element library

ACCOUNTING_INFO

The element ACCOUNTING_INFO records information about accounting processes which occur at the buying company as a result of the order. This information includes the number of the identification of the cost category concerned, the type of cost as well as the actual account. The accounting information is given by the buying company so that the supplier can indicate it on the invoice, which in turn facilitates checking and auditing invoices at the buying company.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
INVOICE_ITEM, ORDER_ITEM	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Identification of the cost category	COST_CATEGORY_ID type=...	Must	Simple	The cost category number contains the number of the cost center to be charged or the project or work order to which the charge must be made. The type of cost category is fixed by the attribute " type ".	-	STRING	-	64	0.9
Type of cost	COST_TYPE	Can	Simple	Information about the type of cost, e.g. investment, GWG, service, consumption, etc.	-	STRING	-	64	0.9
Cost account	COST_ACCOUNT	Can	Simple	Number of the main account to be charged.	-	STRING	-	64	0.9

Attributes for the element COST_CATEGORY_ID

Designation	Attribute name	Must/ Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of cost category	type	Can	It is specified here whether the costs are to be charged to a cost center, project or work order. If the attribute is not used no more exact specification is made. See also " List of permissible values for the attribute "type" of the element COST_CATEGORY_ID ".	-	STRING	-	32	0.9

List of permissible values for the attribute "type" of the element COST_CATEGORY_ID

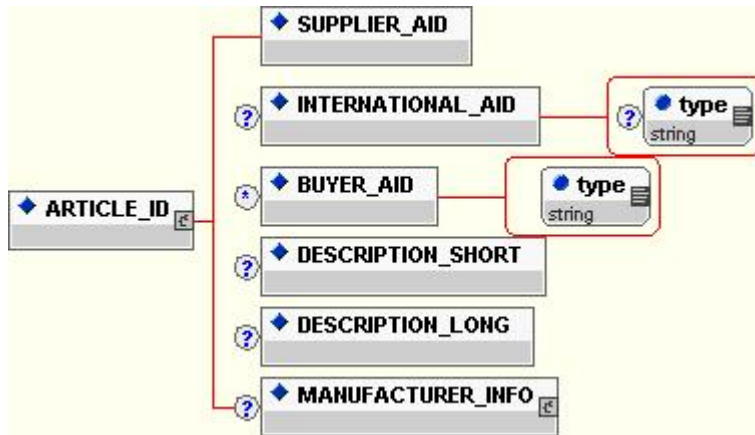
Designation	Attribute value	Explanation	Mod. in version
Cost center	cost_centre	The costs are charged to a cost center.	0.9
Project	project	The costs are charged to a project.	0.9
Work order	work_order	The costs are charged to an work order.	0.9

Example:

see www.opentrans.org

ARTICLE_ID




The element ARTICLE_ID contains information about the marking of the ordered article.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_ITEM, INVOICE_ITEM, ORDER_ITEM, ORDERRESPONSE_ITEM	-	-	-	-	0.9


Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Basic/article number of the supplier	SUPPLIER_AID	Must	Simple	Unique supplier article number. Some target systems are not able to take over all 32 characters (e.g. SAP max. 18 characters). For this reason we recommend keeping the article number as short as possible.	-	STRING	-	32	0.9
International article number	INTERNATIONAL_AID <i>type=...</i>	Can	Simple	The international article number marks an article according to international conventions, e.g. EAN. The convention is specified by the attribute "type" .	-	STRING	-	32	0.9
Article number of the buying company	BUYER_AID <i>type=...</i>	Can	Multiple	Article number at the buying company. The attribute "type" fixes the type of article number of the supplier company (see also "Attributes for the element BUYER_AID").  In the case of multiple use a distinction must be made between the values of the attribute "type" .	-	STRING	-	50	0.9
Short description	DESCRIPTION_SHORT	Can	Simple	Short description or name of the article.	-	STRING	X	80	0.9
Long description	DESCRIPTION_LONG	Can	Simple	Long description of the article.  Format: In order to be able to transfer HTML-tags, such as e.g. for bold type, <i> for italics, <p> for paragraphs, for line breaks and / for list representation, the characters '>' and '<' have to be coded using their appropriate character references so that an XML-parser will accept the BMEcat® file. Example: '<' = < or '>' = > See also "Coding in XML"  The target system has to support the interpretation of the tags in order to receive the required format.	-	STRING	X	64000	0.9
Manufacturer information	MANUFACTURER_INFORMATION	Can	Simple	Information assigned to the article by the manufacturer is stored here.	-	-	-	-	0.9

Attributes for the element INTERNATIONAL_AID

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of international article number	type	Can	This states the international convention used for article numbering. See also " List of pre-defined values for the attribute "type" of the element INTERNATIONAL_AID ".	-	STRING	-	50	0.9

Attributes for the element BUYER_AID

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of identification of the buying company	type	Must	Type of identification of the buying company  In the case of multiple use a distinction must be made between the values of the attribute "type".	-	STRING	-	50	0.9

List of pre-defined values for the attribute "type" of the element INTERNATIONAL_AID

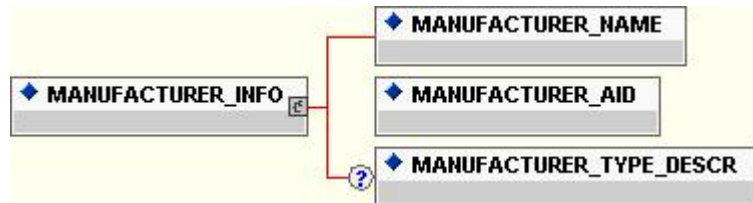
Designation	Attribute value	Explanation	Mod. in version
European Article Number	EAN	European article number (14 characters), s. http://www.ean-int.org	0.9
Global Trade Item Number	GTIN	Global Trade Item Number, s. http://www.uc-council.org/2005sunrise/global_trade_item_number.html	0.9

Example:

see www.opentrans.org

MANUFACTURER_INFO

The element MANUFACTURER_INFO contains information assigned to the article by the manufacturer.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
ARTICLE_ID	-	-	-	-	0.9

Elements

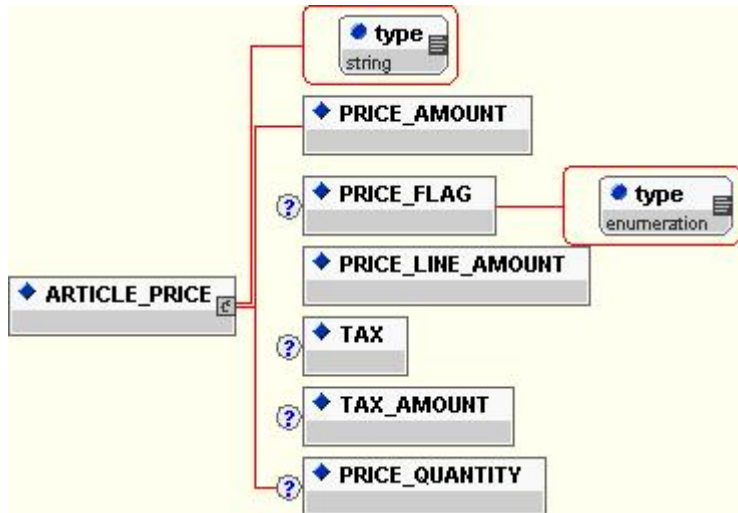
Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Manufacturer's article number	MANUFACTURER_AID	Must	Simple	The article number of the manufacturer	-	STRING	-	50	0.9
Manufacturer's name	MANUFACTURER_NAME	Must	Simple	Name of the manufacturer	-	STRING	-	50	0.9
Manufacturer's type description	MANUFACTURER_TYPE_DESCR	Can	Simple	The manufacturer's type description is a name for the product which could possibly be more well known than the correct article number.	-	STRING	X	50	0.9

Example:

see www.opentrans.org

ARTICLE_PRICE

The element ARTICLE_PRICE contains information about the price for the article in the appropriate item line. The price information comprises the net price, sales tax and the quantity unit the price information per unit refers to.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
INVOICE_ITEM, ORDER_ITEM, ORDERRESPONSE_ITEM	-	-	-	-	0.9



Attributes for the element ARTICLE_PRICE

Designation	Attribute name	Must/ Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of price	type	Must	Attribute which specifies the type of price For value range see the following table " List of pre-defined values for the attribute "type" of the element ARTICLE_PRICE ".	-	STRING	-	20	0.9






The "List of pre-defined values for the attribute "type" of the element ARTICLE_PRICE" differs from the specification in BMEcat[®] up to V2.0. In BMEcat[®] this is a list of permissible values for the attribute "type" of the element ARTICLE_PRICE. From BMEcat[®] V2.0 onwards this list is used identically in BMEcat[®] and openTRANS[®].

List of pre-defined values for the attribute "type" of the element ARTICLE_PRICE

Designation	Attribute value	Explanation
List price	net_list	(Purchasing) list price excluding sales tax
List price	gros_list	(Purchasing) list price including sales tax
Net price	net_customer	Customer-specific end price excluding sales tax
Non-binding recommended price	nrp	Non-binding recommended (retail) price
Price for express delivery	net_customer_exp	<p>Customer-specific end price for express delivery excluding sales tax.</p>  <p>This price type is not clearly defined enough. If it is to be used regardless, the exact meaning of the price must be clarified and fixed beforehand between the supplier and the customer.</p>
User-defined type	udp_XXX	<p>Any other user-defined prices with own price types are allowed to be transferred. These types must then have a type description beginning with "udp". User-defined types are likewise only allowed to be specified once per article.</p> <p>Example: udp_aircargo_price</p>  <p>It is essential to clarify beforehand whether or not the target systems are able to process user-defined price types. Furthermore, the exact meaning of the prices must be clarified and fixed between the supplier and the customer.</p>

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Price	PRICE_AMOUNT	Must	Simple	Amount of the price of the order unit (s. PRICE_QUANTITY).  PRICE_CURRENCY has to be defined if a PRICE_AMOUNT is used at item level.	-	NUMBER	-	-	0.9
Price flag	PRICE_FLAG type=...	Can	Multiple	Flag to define the price basis (e.g. with/without freight)  If this element is not used, no statements will be made within the business document about the different components of the price basis. See also " Attributes for the element PRICE_FLAG " and " List of pre-defined values for the attribute "type" of the element PRICE_FLAG " Example.: <PRICE_FLAG type="incl_freight">true</PRICE_FLAG> means that freight costs are included. <PRICE_FLAG type="incl_freight">false</PRICE_FLAG> means that the freight costs are not included. If the element PRICE_FLAG does not occur with the attribute "incl_freight", no statement is made in the business document as to whether the prices are with or without a freight share. This must then be fixed elsewhere (e.g. in the skeleton agreement).	-	BOOLEAN	-	5	0.9
Total price	PRICE_LINE_AMOUNT	Must	Simple	Amount of the price for the item line. The value is the result of multiplying PRICE_LINE_AMOUNT with QUANTITY , but has to be listed explicitly.  PRICE_CURRENCY has to be given if a PRICE_LINE_AMOUNT has been used on item level.	-	NUMBER	-	-	0.9
Tax rate	TAX	Can	Simple	Factor for sales tax applicable to this price. Example: "0.16" corresponds to 16 percent	-	NUMBER	-	-	0.9
Tax amount	TAX_AMOUNT	Can	Simple	Total amount of the tax to be paid. Is the result of multiplying PRICE_AMOUNT and TAX and is listed explicitly for tax reasons.	-	NUMBER	-	-	0.9
Price quantity	PRICE_QUANTITY	Can	Simple	A multiple or a fraction of the order unit (element ORDER_UNIT) which states the quantity all the prices given refer to. If the element is not specified, the default value 1 is presumed, which means	1	NUMBER	-	-	0.9

				that the price refers to exactly one order unit. Example: 10 (i.e. the price given refers to 10 crates)					
--	--	--	--	--	--	--	--	--	--

Attributes for the element PRICE_FLAG

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of costs included	type	Must	This attribute specifies the pool of costs which have an indication of whether or not they contribute to price formation. See also " List of pre-defined values for the attribute "type" of the element PRICE_FLAG "	-	STRING	-	50	0.9



The "List of pre-defined values for the attribute "type" of the element PRICE_FLAG" differs from the specification in BMEcat[®] up to V2.0. In BMEcat[®] this is a "List of **permissible** values for the attribute "type" of the element PRICE_FLAG". From BMEcat[®] V2.0 this list is used identically in BMEcat[®] and openTRANS[®].

List of pre-defined values for the attribute "type" of the element PRICE_FLAG

Designation	Attribute value	Explanation	Mod. in version
Including freight	incl_freight	Price includes freight costs	0.9
Including packing	incl_packing	Price includes packing costs	0.9
Including insurance	incl_assurance	Price includes insurance	0.9
Including duty	incl_duty	Price includes duty	0.9

Example:

see www.opentrans.org

BUYER_PARTY

The buyer is specified in the element BUYER_PARTY.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_INFO, INVOICE_INFO, ORDER_PARTIES	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Business partner	PARTY	Must	Simple	Information about the business partner.	-	-	-	-	0.9

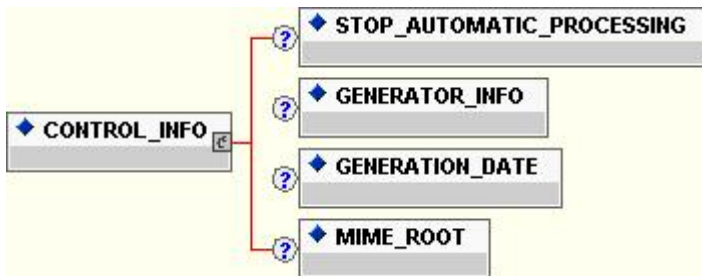
Example:

see www.opentrans.org

CONTROL_INFO

Control information for the automatic processing of the business document is stored in the element CONTROL_INFO.


If the element CONTROL_INFO is used, at least one of the following elements must be given.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_HEADER, INVOICE_HEADER, ORDER_HEADER, ORDERCHANGE_HEADER, ORDERRESPONSE_HEADER	-	-	-	-	0.9

Elements

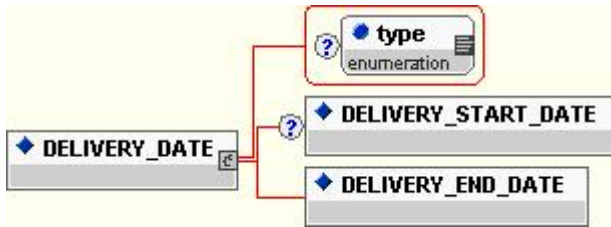
Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Interruption of automatic processing in the target system	STOP_AUTOMATIC_PROCESSING	Can	Simple	<p>An instruction for the target system can be stored here if manual processing of the business document is required. The element consists of a text explaining why manual processing is necessary. Automatic processing in the target system is interrupted if the element is not empty.</p>  <p>Caution: the element should only be used in justified exceptional cases (e.g. "Import test – NO processing is necessary")!</p>	-	STRING	X	250	0.9
Generator information	GENERATOR_INFO	Can	Simple	Information about the generator (manual or automatic) of the document	-	STRING	-	250	0.9
Generation date of the business document	GENERATION_DATE	Can	Simple	Generation date of the XML-document.	-	DATE	-	20	0.9
Mime root directory	MIME_ROOT	Can	Simple	A directory (or an URI) can be specified here which the relative path specifications in MIME_SOURCE refer to.	-	STRING	X	100	0.9

Example:

see www.opentrans.org

DELIVERY_DATE

The start and end dates for a period of delivery are specified in the element DELIVERY_DATE.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DELIVERY_REFERENCE, DISPATCHNOTIFICATION_ITEM, INVOICE_INFO, ORDER_INFO, ORDER_ITEM, ORDERRESPONSE_INFO, ORDERRESPONSE_ITEM	-	-	-	-	0.9

Attributes for the element DELIVERY_DATE

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of delivery date	type	Must	Specifies the delivery date. See also " List of permissible values for the attribute "type" of the element DELIVERY_DATE ".	fixed	STRING	-	250	0.9

List of permissible values for the attribute "type" of the element DELIVERY_DATE

Designation	Attribute value	Explanation	Mod. in version
Fixed delivery date	fixed	The date given is to be interpreted by the recipient as a fixed specified delivery date.	0.9
Required date	optional	The date given is to be interpreted by the recipient as a required delivery date.	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Start of the delivery period	DELIVERY_START_DATE	Must	Simple	Unique date for the start of the delivery period. If an exact delivery date has to be determined, DELIVERY_START_DATE = DELIVERY_END_DATE is set.	-	DATE TIME	-	20	0.9
End of the delivery period	DELIVERY_END_DATE	Must	Simple	Unique date for the end of the delivery period. If an exact delivery date has to be determined, DELIVERY_START_DATE = DELIVERY_END_DATE is set.	-	DATE TIME	-	20	0.9

Example:

see www.opentrans.org

INVOICE_PARTY

The element INVOICE_PARTY specifies the recipient of the invoice.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
INVOICE_INFO, ORDER_PARTIES	-	-	-	-	0.9

Elements

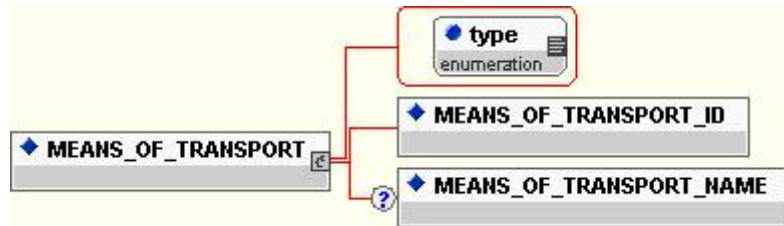
Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Business partner	PARTY	Must	Simple	Information about the business partner.	-	-	-	-	0.9

Example:

see www.opentrans.org

MEANS_OF_TRANSPORT


Details about the means of transport are specified in the element MEANS_OF_TRANSPORT.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_INFO	-	-	-	-	0.92

Attributes for the element MEANS_OF_TRANSPORT

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of transport means	type	Can	<p>Specifies the type of transport means.</p> <p>See also "List of pre-defined values for the attribute "type" of the element MEANS_OF_TRANSPORT".</p> <p> The pre-defined values for this attribute follow UN/ECE Recommendation 19 (s. http://www.unece.org/cefact/rec/rec19en1.htm).</p>	-	STRING	-	50	0.9

List of pre-defined values for the attribute "type" of the element MEANS_OF_TRANSPORT

Designation	Attribute value	Explanation	Mod. in version
Maritime transport	maritime	The goods will be transported by sea.	0.9
Rail transport	rail	The goods will be transported by rail.	0.9
Road transport	road	The goods will be transported by road.	0.9
Air transport	air	The goods will be transported by air.	0.9
Multi-modal transport	multi-modal	The goods are transported "multi-modally". This could be used to describe a container, for example, which is directly connected to the goods.	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Marking for the means of transport	MEANS_OF_TRANSPORT_ID	Must	Simple		-	STRING	X	32	0.92
Name of the means of transport	MEANS_OF_TRANSPORT_NAME	Can	Simple		-	STRING	X	250	0.92

Example:

see www.opentrans.org

MIME_INFO

The MIME_INFO element can be used to specify references to additional multimedia documents belonging to a particular article. This makes it possible, for example, to reference photographs or product data sheets of an article at the same time as the catalog data is exchanged.

It is assumed that this additional data is transferred separately and imported relative to the directory specified in the **ORDER_HEADER** as **MIME_ROOT**.

The MIME_INFO element can contain any number of elements with the name MIME. Each of these elements represents exactly one reference to an additional document. The definition of the **MIME** element is based on the MIME format (Multipurpose Internet Mail Extensions). The MIME format serves to standardize data transfers over the Internet.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
INVOICE_ITEM, ORDER_ITEM, ORDERRESPONSE_ITEM	-	-	-	-	0.9

Elements

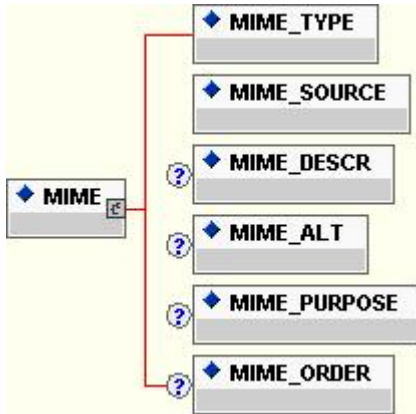
Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Multimedia document	MIME	Must	Multiple	The MIME element serves to transfer information about one multimedia file. The file itself is only referenced and must be transferred separately.	-	-	-	-	0.9

Example:

```
<MIME_INFO>
  <MIME>
    <MIME_TYPE>image/jpeg</MIME_TYPE>
    <MIME_SOURCE>55-K-31.jpg</MIME_SOURCE>
    <MIME_DESCR>Front view of the standard letter tray DIN A4</MIME_DESCR>
    <MIME_ALT>Photo of the standard letter tray DIN A4</MIME_ALT>
    <MIME_PURPOSE>normal</MIME_PURPOSE>
  </MIME>
  <MIME>
    <MIME_TYPE>image/jpeg</MIME_TYPE>
    <MIME_SOURCE>55-K-31k.jpg</MIME_SOURCE>
    <MIME_DESCR>Front view of the standard letter tray DIN A4</MIME_DESCR>
    <MIME_ALT>Photo of the standard letter tray DIN A4</MIME_ALT>
    <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
  </MIME>
  <MIME>
    <MIME_TYPE>application/pdf</MIME_TYPE>
    <MIME_SOURCE>officeline2001.pdf</MIME_SOURCE>
    <MIME_DESCR>Description of the whole office line 2001 product range</MIME_DESCR>
    <MIME_ALT>PDF-file for office line 2001</MIME_ALT>
    <MIME_PURPOSE>others</MIME_PURPOSE>
  </MIME>
</MIME_INFO>
```

MIME

The MIME element serves to transfer information about one multimedia file. The file itself is only reference and must be transferred separately.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
MIME_INFO	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Mime type	MIME_TYPE	Can	Simple	Type of the additional document. This element is oriented towards the mime type usual in the Internet (see ftp://ftp.isi.edu/in-notes/rfc1341.txt). Value range: see " List of pre-defined values for the element MIME_TYPE ".	-	STRING	-	30	0.9
Source	MIME_SOURCE	Must	Simple	The relative path and the file name or URL address. The MIME_SOURCE string is combined with the base path (MIME_ROOT) specified in the ORDER_HEADER (attached to it by means of a simple concatenation). Sub-directories must be separated by means of slashes ("/") (e.g. /public/document/demo.pdf).	-	STRING	X	250	0.9
Designation	MIME_DESCR	Can	Simple	Designation of the additional file. This description will be displayed in the target system.	-	STRING	X	250	0.9
Alternative text	MIME_ALT	Can	Simple	Alternative text used if the file cannot be represented by the browser on the target system, for example.	-	STRING	X	50	0.9
Purpose	MIME_PURPOSE	Can	Simple	Desired purpose for which the MIME document is to be used in the target system. Value range: refer also to " List of pre-defined values for the element MIME_PURPOSE ".	-	STRING	-	20	0.9
Order	MIME_ORDER	Can	Simple	Order in which the additional data is to be represented in the target system. When additional documents are listed they should be represented in ascending order (the first document is the one with the lowest number)	-	INTEGER	-	-	0.9

List of pre-defined values for the element MIME_TYPE

Designation	Attribute value	Explanation	Mod. in version
URL	url	Link to a resource on the Internet (or Intranet). This is not an official Mime type but is to be used here nevertheless. Example: "http://www.opentrans.org"	0.9
PDF document	application/pdf	(Local) Acrobat PDF format	0.9
JPEG	image/jpeg	(Local) image/graphic in JPEG format	0.9
GIF	image/gif	(Local) image/graphic in GIF format	0.9
HTML	text/html	(Local) document in HTML format (within the catalog file system)	0.9
Text	text/plain	(Local) unformatted text file	0.9
...		All Mime types can be used. It cannot be guaranteed, however, that the target systems will be able to represent them.	0.9

List of pre-defined values for the element MIME_PURPOSE

Designation	Attribute value	Explanation	Mod. in version
Thumbnail view	thumbnail	Preview (small)	0.9
Normal view	normal	Normal view (normal)	0.9
Detail view	detail	Enlarged image	0.9
Product data sheet	data_sheet	Product data sheet (a technical drawing, for example)	0.9
Logo	logo	Product or supplier logo	0.9
Others	others	Should none of the other values be suitable, "others" can be used.	0.9

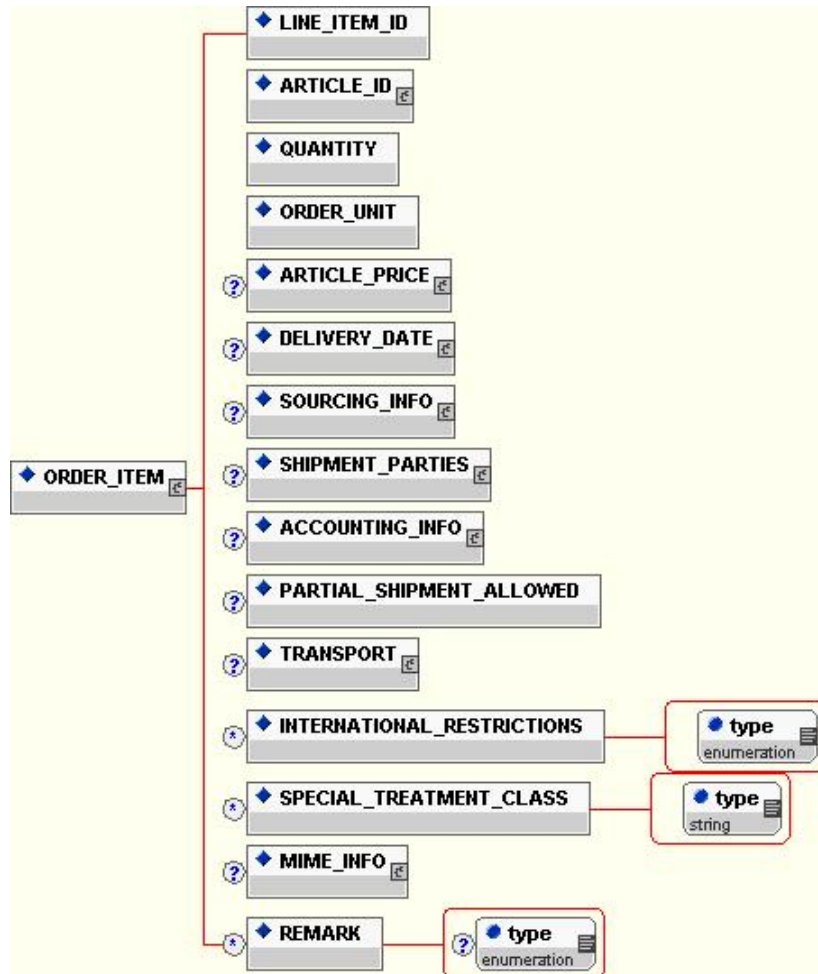
Example:

References to an image file and a product data sheet belonging to the "Charlie casual shirt" are to be transferred at the same time as the data is being exchanged.

```
<MIME_INFO>
  <MIME>
    <MIME_TYPE>image/jpeg</MIME_TYPE>
    <MIME_SOURCE>charlie.jpg</MIME_SOURCE>
    <MIME_DESCR>Front view of our casual shirt</MIME_DESCR>
    <MIME_ALT>Photo of Charlie</MIME_ALT>
    <MIME_PURPOSE>normal</MIME_PURPOSE>
  </MIME>
  <MIME>
    <MIME_TYPE>application/pdf</MIME_TYPE>
    <MIME_SOURCE>charlie.pdf</MIME_SOURCE>
    <MIME_DESCR>Description of the production process</MIME_DESCR>
    <MIME_ALT>PDF-file on Charlie</MIME_ALT>
    <MIME_PURPOSE>data_sheet</MIME_PURPOSE>
  </MIME>
</MIME_INFO>
```


ORDER_ITEM

A item line contains order information about exactly one item. Any number of item lines can be used, although at least one item line must be used.






General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
ORDER_ITEM_LIST, ORDERCHANGE_ITEM_LIST	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Item number	LINE_ITEM_ID	Must	Simple	The item ID number is used to uniquely identify the item line of an order within that order. In combination with the order number and the buyer the item number represents a unique ID number outside the business process concerned. Example.: P10012	-	STRING	-	50	0.9
Article number	ARTICLE_ID	Must	Simple	The article number serves to identify the commissioned item. Within the element ARTICLE_ID the element SUPPLIER_AID has to be specified for the purpose of unique identification.	-	-	-	-	0.9
Order quantity	QUANTITY	Must	Simple	The order quantity specifies which quantity - related to the order quantity unit - of the article will be ordered.	-	NUMBER	-	32	0.9
Order unit of the article	ORDER_UNIT	Must	Simple	Unit in which the article can be ordered. Only multiples of the article unit can be ordered. The price also always refers to this unit (or to fractions or multiples of it). Example: Crate of mineral water with 6 bottles: Order unit: "crate", contents unit/unit of the article: "bottle", Packing quantity: "6"	-	PUNIT	-	3	0.9
Article price	ARTICLE_PRICE type=...	Can	Simple	This element contains information about the price and control information about the ordered article.	-	-	-	-	0.9
Delivery data	DELIVERY_DATE type=...	Can	Simple	Date for the delivery date. The delivery date specifies the date the commissioned goods are accepted by the buyer. If the delivery date deviates from the one specified in the header, the delivery date on item level is valid.	-	-	-	-	0.9
Sourcing information	SOURCING_INFO	Can	Simple	Information about previous quotations, catalog references, skeleton agreements.	-	-	-	-	0.9
Shipment parties	SHIPMENT_PARTIES	Can	Simple	Business partners integrated in the process of the goods delivery procedure.	-	-	-	-	0.9
Accounting information	ACCOUNTING_INFO	Can	Simple	Information about the booking of the costs incurred by the buyer through the commissioning. This information is partially supplied by the buyer so that the supplier can specify it on the following invoice, facilitating checking and auditing of the invoices at the purchasing company.	-	-	-	-	0.9

Partial shipment allowed	PARTIAL_SHIPMENT_ALLOWED	Can	Simple	<p>Flag to indicate whether partial shipment is allowed. If allowed: TRUE otherwise FALSE</p> <p>The flag is binding for the order, i.e. if the value is set to FALSE and only partial shipments can be made by the recipient of the order, the order shall be invalid.</p> <p> If the element is used in the context ORDER_HEADER, the element must not be used on item level ORDER_ITEM.</p>	-	BOOLEAN	-	5	0.9
Transport	TRANSPORT	Can	Simple	Information about the terms of transport.	-	-	-	-	0.9
International delivery restrictions	INTERNATIONAL_RESTRICTIONS type=...	Can	Multiple	<p>Details of international restrictions e.g. compulsory import / export authorization.</p> <p> At present, export control authorities are only controlling the information on order header level.</p>	-	STRING	X	250	0.9
Special treatment class	SPECIAL_TREATMENT_CLASS type=...	Can	Multiple	<p>Additional classification of an article for hazardous goods and substances, fabricated materials for drugs, radioactive measuring equipment etc.; the attribute "type" fixes the special treatment regulation, the class is fixed within the order with regard to value (see also "Attributes of the element SPECIAL_TREATMENT_CLASS").</p> <p>Example: (Act covering the road haulage of hazardous materials (GGVS), heating oil) <code><SPECIAL_TREATMENT_CLASS type="GGVS">1201</SPECIAL_TREATMENT_CLASS></code></p>	-	STRING	-	20	0.9
MIME add-ons	MIME_INFO	Can	Simple	The element contains additional multimedia information (e.g. photos) to be transferred for the item concerned.	-	-	-	-	0.9
Remark	REMARK type=...	Can	Multiple	<p>The remark is marked by the attribute "type" for use in different business documents.</p> <p> It is only permissible to mark remarks for use in this or following business documents by the attribute "type". Target systems are recommended to ignore remarks about previous business documents (history). It is permissible to use the attribute REMARK more than once with the same "type" attribute.</p>	-	STRING	X	250	0.99

Attributes of the element ARTICLE_PRICE

see page 143.

Attributes of the element DELIVERY_DATE

see page 150.

Attributes of the element INTERNATIONAL_RESTRICTIONS

Designation	Attribute name	Must/ Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of restriction	type	Must	Specifies the type of international delivery restriction. See also " List of pre-defined values for the attribute "type" of the element INTERNATIONAL_RESTRICTIONS ".	-	STRING	X	32	0.9

Attributes of the element SPECIAL_TREATMENT_CLASS

Designation	Attribute name	Must/ Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Name of the special treatment regulation	type	Must	Short description for the special treatment regulations, e.g. GGVS (act covering the road haulage of hazardous materials) Example: (act covering the road haulage of hazardous materials, heating oil) <SPECIAL_TREATMENT_CLASS type="GGVS">1201 </SPECIAL_TREATMENT_CLASS>	-	STRING	-	50	0.9

Attributes of the element REMARK

see page 24.

List of pre-defined values for the attribute "type" of the element ARTICLE_PRICE

see page 144.

List of permissible values for the attribute "type" of the element DELIVERY_DATE

see page 151.

List of pre-defined values for the attribute "type" of the element INTERNATIONAL_RESTRICTIONS

Designation	Attribute value	Explanation	Mod. in version
National	national	The delivery restriction is valid nationally.	0.9
US-embargo	us-embargo	The embargo is a US-American delivery restriction.	0.9
UN-embargo	un-embargo	The embargo is an embargo by the United Nations.	0.9
WTO-embargo	wto-embargo	This is a case of an embargo by the World Trade Organization.	0.9
Other	other	This is a different delivery limitation.	0.9

List of pre-defined values for the attribute "type" of the element REMARK

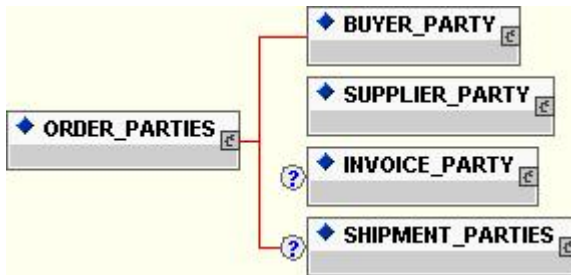
Designation	Attribute value	Explanation	Mod. in version
General	general		0.9
Request for quotation	rfq	The remark in the element REMARK is identified for use in the business document RFQ	0.99
Quotation	quotation	The remark in the element REMARK is identified for use in the business document QUOTATION	0.99
Order	order	The remark in the element REMARK is identified for use in the business document ORDER	0.99
Order change	orderchange	The remark in the element REMARK is identified for use in the business document ORDERCHANGE	0.99
Order response	orderresponse	The remark in the element REMARK is identified for use in the business document ORDERRESPONSE	0.99
Dispatch notification	dispatchnotification	The remark in the element REMARK is identified for use in the business document DISPATCHNOTIFICATION	0.99
Transport	transport	The remark in the element REMARK is identified for use in the business document TRANSPORT (currently not an openTRANS [®] -document)	0.99
Delivery note	deliverynote	The remark in the element REMARK is identified for use in the business document DELIVERYNOTE (only in paper form as a document accompanying the goods)	0.99
Confirmation of receipt of goods	receiptacknowledgement	The remark in the element REMARK is identified for use in the business document RECEIPTACKNOWLEDGEMENT	0.99
Invoice	invoice	The remark in the element REMARK is identified for use in the business document INVOICE	0.99

Example:

see www.opentrans.org

ORDER_PARTIES

The ORDER_PARTIES element summarizes the business partners who are integrated in the order processing procedure.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
ORDER_INFO, ORDERCHANGE_INFO, ORDERRESPONSE_INFO	-	-	-	-	0.9

Elements

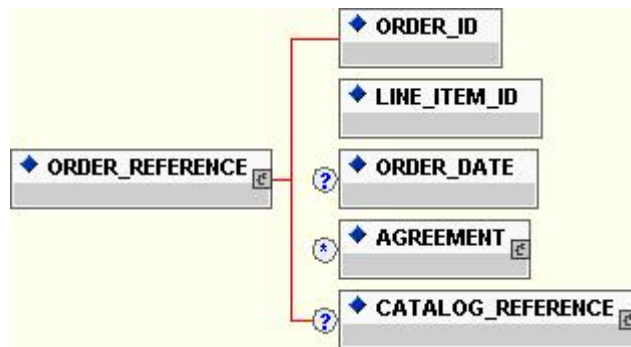
Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Buyer	BUYER_PARTY	Must	Simple	Buyer, party submitting the order	-	-	-	-	0.9
Supplier	SUPPLIER_PARTY	Must	Simple	Supplier, recipient of the order	-	-	-	-	0.9
Invoice party	INVOICE_PARTY	Can	Simple	Recipient of the invoice	-	-	-	-	0.9
Shipment parties	SHIPMENT_PARTIES	Can	Simple	Business partners integrated in the process of delivering the goods.	-	-	-	-	0.9

Example:

see www.opentrans.org

ORDER_REFERENCE

The ORDER_REFERENCE element summarizes information about acquisition activities on item level which have preceded this invoice.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_ITEM, INVOICE_ITEM	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Order number of the buyer	ORDER_ID	Must	Simple	Unique order number of the buyer.	-	STRING	-	250	0.9
Item number	LINE_ITEM_ID	Must	Simple	The item number is used for the unique identification of a item line within an order. Combined with the order number and the buyer the item number forms a unique ID outside the business process concerned.	-	STRING	-	50	0.9
Order date	ORDER_DATE	Can	Simple	Date of the order.	-	DATE	-	20	0.9
Reference to a skeleton contract	AGREEMENT type=...	Can	Multiple	Reference to a skeleton contract. See also List of pre-defined values for the attribute "type" of the element AGREEMENT.	-	-	-	-	0.91
Reference to an (electronic) products catalog	CATALOG_REFERENCE	Can	Simple	Order reference to a catalog. This element can also be used as a reference to a price list.	-	-	-	-	0.9

Attributes for the element AGREEMENT

see page 194.

List of pre-defined values for the attribute "type" of the element AGREEMENT

see page 194.

Example:

see www.opentrans.org

PARTY

The PARTY element is used to summarize information about the business partners. If the PARTY element is used at least one of the following elements has to be specified.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
BUYER_PARTY, DELIVERY_PARTY, FINAL_DELIVERY_PARTY, TRANSPORT_PARTY, SUPPLIER_PARTY, INVOICE_PARTY	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
ID of the business partner	PARTY_ID type=...	Can	Simple	Unique identification of a business partner. PARTY_ID has to be specified if the ADDRESS element is not used in order to be able to uniquely identify the business partner.	-	STRING	-	250	0.9
Address	ADDRESS	Can	Simple	Specifies the address and the contact person(s) of the business partner. ADDRESS has to be specified if the PARTY_ID element is not used in order to be able to uniquely identify the business partner.	-	-	-		0.9

Attributes for the element PARTY_ID

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
ID type	type	Can	Defines the type of identification of the business partner. See also " List of pre-defined values for the attribute "type" of the element PARTY_ID ".		STRING	-	250	0.9

List of pre-defined values for the attribute "type" of the element PARTY_ID

Designation	Attribute value	Explanation	Mod. in version
DUNS	duns	Data Universal Numbering System (s. http://www.dnb.com/dunsno/dunsno.html)	0.9
ILN	iln	International Location Numbering from the Centrale für Coorganisation (CCG), (see http://iln.de/deutsch/index_d.htm)	0.9
ID assigned by the buyer	buyer_specific	ID the buyer has assigned to the business partner.	0.9
ID assigned by the supplier	supplier_specific	ID the supplier has assigned to the business partner.	0.9

Example:

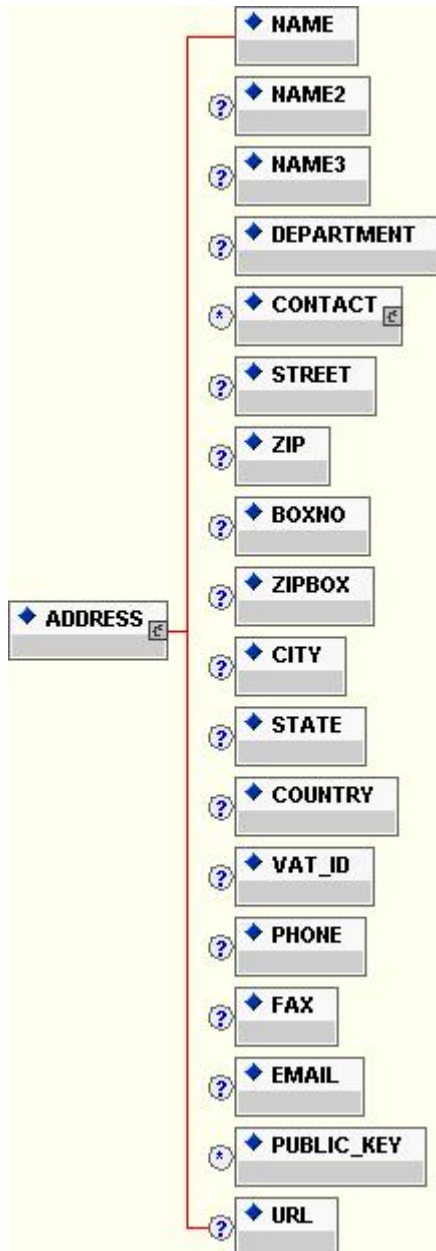
see www.opentrans.org

ADDRESS

The ADDRESS element summarizes the address and contact information about the business partner. If the ADDRESS element is used, at least one of the following elements must be specified.



The element differs from the specification in BMEcat[®] up to V2.0. From BMEcat[®] V2.0 onwards ADDRESS is used identically in BMEcat[®] and openTRANS[®].



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
PARTY	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Address line	NAME	Must	Simple	Company name	-	STRING	X	50	0.9
Address line 2	NAME2	Can	Simple	e.g. for the name of the plant	-	STRING	X	50	0.9
Address line 3	NAME3	Can	Simple	e.g. for the building	-	STRING	X	50	0.9
Department	DEPARTMENT	Can	Simple		-	STRING	X	50	0.9
Contact	CONTACT	Can	Multiple		-	-	-	-	0.9
Street	STREET	Can	Simple	Name of street and house number	-	STRING	X	50	0.9
Zip code	ZIP	Can	Simple		-	STRING	X	20	0.9
Number of PO box	BOXNO	Can	Simple		-	STRING	X	20	0.9
Zip code of PO box	ZIPBOX	Can	Simple		-	STRING	X	20	0.9
City	CITY	Can	Simple		-	STRING	X	50	0.9
State	STATE	Can	Simple		-	STRING	X	50	0.9
Country	COUNTRY	Can	Simple		-	COUNTRIES	X	6	0.9
VAT-ID	VAT_ID	Can	Simple	VAT identification number of the business partner	-	STRING	-	50	0.98
Telephone	PHONE type=...	Can	Simple	The telephone number applicable to the address given. The telephone number is specified in more detail in the attribute "type" .	-	STRING	X	50	0.9
Fax number	FAX	Can	Simple		-	STRING	X	50	0.9
E-mail	EMAIL	Can	Simple		-	STRING	-	100	0.9
Public key	PUBLIC_KEY type=...	Can	Multiple	Gives the public key for the digital signature e.g. from PGP of the person/organization addressed here. The encoding method is specified by the attribute "type". In addition the PUBLIC_KEY element can be specified more than once so that different keys can be given.	-	STRING	-	64.000	0.9
WWW	URL	Can	Simple	e.g. http://www.opentrans.org	-	STRING	-	100	0.9

Attributes for the element PHONE

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of telephone	type	Must	Specifies the type of the telephone number. See also " List of permissible values for the attribute "type" of the element PHONE ".	office	STRING	-	50	0.9

Attributes for the element PUBLIC_KEY

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of encoding method	type	Must	This attribute specifies which public key encoding method has been used to code e-mails. This information often refers to the software used. The format for the encoding method should follow the pattern "<Name>-<MajorVersion>.<MinorVersions>". Example: PGP-6.5.1	-	STRING	-	50	0.9

List of permissible values for the attribute "type" of the element PHONE

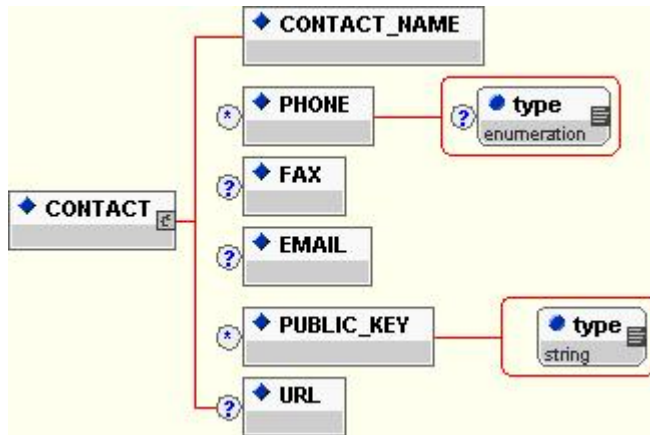
Designation	Attribute value	Explanation	Mod. in version
Office	office	Office telephone number	0.9
Mobile telephone	mobile	Mobile telephone number	0.9
Private	private	Private telephone number	0.9
Other	other	Other telephone number	0.9

Example:

see www.opentrans.org

CONTACT

The element CONTACT summarizes contact information to the business contact.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
ADDRESS	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Contact name	CONTACT_NAME	Must	Simple		-	STRING	X	50	0.9
Telephone	PHONE <i>type=...</i>	Can	Multiple	<p>Telephone number of the business contact. Several telephone numbers of the same type can be specified.</p> <p>e.g.</p> <pre><PHONE type="office">0711/970-2412</PHONE> <PHONE type="office">0711/970-2412</PHONE> <PHONE type="mobile">0170/1234567</PHONE></pre>	-	STRING	X	30	0.9
Fax number	FAX	Can	Simple		-	STRING	X	30	0.9
E-mail	EMAIL	Can	Simple		-	STRING	-	100	0.9
Public key	PUBLIC_KEY <i>type=...</i>	Can	Multiple	<p>Gives the public key for the digital signature e.g. from PGP of the person/organization addressed here.</p> <p>The encoding method is specified by the attribute "type". In addition the PUBLIC_KEY element can be specified more than once so that different keys can be given.</p>	-	STRING	-	64.000	0.9
WWW	URL	Can	Simple	e.g. http://www.opentrans.org	-	STRING	-	100	0.9

Attributes of the element PHONE

see page 177.

Attributes of the element PUBLIC_KEY

see page 177.

List of permissible values for the attribute "type" of the element PHONE

see page 177.

CONTACT

Example:

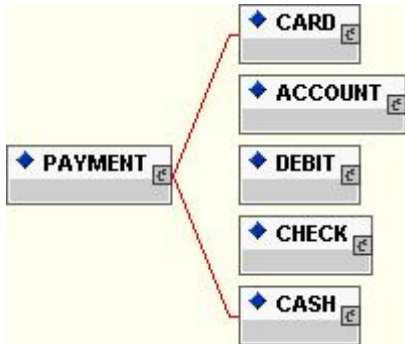
see www.opentrans.org

5. Element library



PAYMENT

The PAYMENT element summarizes information about the terms of payment. Exactly one term of payment must be used. If no information about payment is transferred (e.g. because this has been defined in a skeleton contract) the element is not used.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
INVOICE_INFO, ORDER_INFO	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Card payment	CARD	Can	Simple	Use of credit cards, purchase cards etc.	-	-	-	-	0.9
Bank account	ACCOUNT	Can	Simple	Bank account details	-	-	-	-	0.9
Debit notification	DEBIT	Can	Simple	Credit note procedure	-	-	-	-	0.9
Check payment	CHECK	Can	Simple	Check payment	-	-	-	-	0.9
Cash payment	CASH	Can	Simple	Cash payment	-	-	-	-	0.9

PAYMENT

Example:

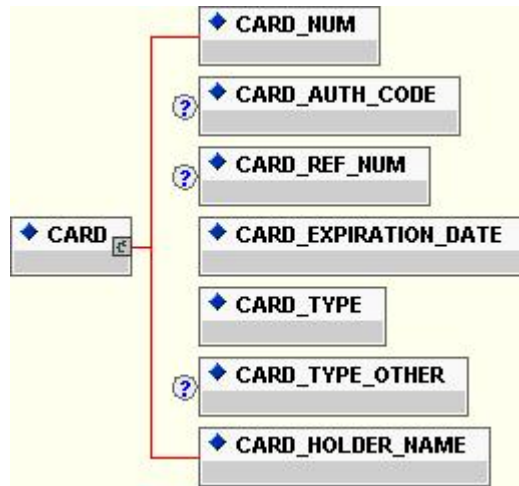
see www.opentrans.org

5. Element library



CARD


The CARD element summarizes information about payment using credit or purchasing cards.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
PAYMENT	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Card number	CARD_NUM	Must	Simple	Number of the credit or purchasing card	-	STRING	-	16	0.9
PIN	CARD_AUTH_CODE	Can	Simple	 (Caution! - not recommended for use for insecure transmission!)	-	STRING	-	10	0.9
Reference number	CARD_REF_NUM	Can	Simple	Customer reference number	-	STRING	-	50	0.9
Expiration date	CARD_EXPIRATION_DATE	Must	Simple	Expiration date Example: "2001-03" for 03/2001	-	DATETIME	-	50	0.9
Card type	CARD_TYPE	Must	Simple	Card type, see also " List of pre-defined values for the element CARD_TYPE "	-	STRING	-	50	0.9
Further card type	CARD_TYPE_OTHER	Can	Simple	Is used as free text if CARD_TYPE = 'Other'.	-	STRING	-	50	0.9
Card holder	CARD_HOLDER_NAME	Can	Simple	Name of the card holder the credit card has been issued to.	-	STRING	-	50	0.9

List of pre-defined values for the element CARD_TYPE

Designation	Attribute value	Explanation	Mod. in version
American Express	AMEX	American Express	0.9
VISA	VISA	VISA	0.9
Master Card	MC	Master Card	0.9
Discover	Discover	Discover	0.9
JCB	JCB	JCB	0.9
Diners	Diners	Diners	0.9
...		Other card types can be used. It cannot be guaranteed that the target systems can represent all card types, however.	0.9

CARD

Example:

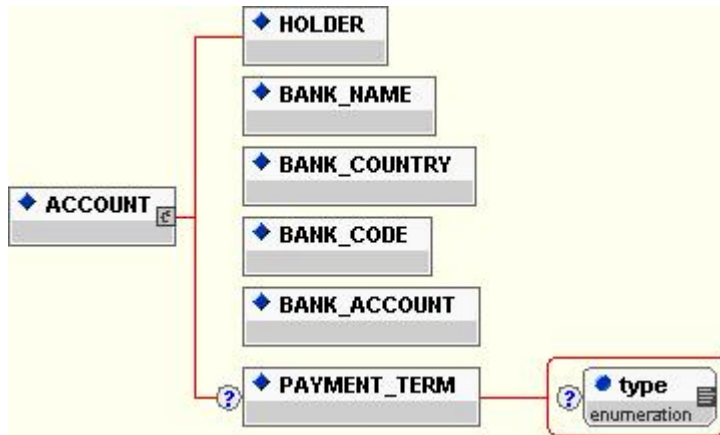
see www.opentrans.org

5. Element library



ACCOUNT

The ACCOUNT element summarizes information about bank accounts.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
PAYMENT	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Account holder	HOLDER	Must	Simple	Name of the account holder	-	STRING	-	50	0.9
Bank name	BANK_NAME	Must	Simple	Name of the bank	-	STRING	-	50	0.9
Country	BANK_COUNTRY	Must	Simple	Country in which the bank account is managed.	-	COUNTRIES	-	6	0.9
Bank code	BANK_CODE	Must	Simple	Bank code number	-	STRING	-	20	0.9
Account number	BANK_ACCOUNT	Must	Simple	Account number	-	STRING	-	50	0.9
Term of payment	PAYMENT_TERM type=...	Can	Simple	Term of payment. The information can be given according to UN/ECE or be company-specific (see Attributes for the element PAYMENT_TERM)	-	STRING	-	250	0.9

Attributes for the element PAYMENT_TERM

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Term of payment	type	Must	Procedure according to which the term of payment is coded. See also " List of permissible values for the attribute "type" of the element PAYMENT_TERM ".	-	STRING	-	50	0.9

List of permissible values for the attribute "type" of the element PAYMENT_TERM

Designation	Attribute value	Explanation	Mod. in version
UN/ECE	unece	Description of the term of payment according to UN/ECE convention 4279. (see http://www.unece.org/trade/untdid/d00b/tred/tred4279.htm)	0.9
Other	other	Means that there is no descriptive procedure to be used for the term of payment but a free text instead.	0.9

Example:

see www.opentrans.org

DEBIT

The element DEBIT specifies the payment procedure for the credit note procedure.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
PAYMENT	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Term of payment	PAYMENT_TERM type=...	Must	Simple	Term of payment. If the credit note process is given without any further information about the term of payment, "other" must be used (see Attributes for the element PAYMENT_TERM).	-	STRING	-	250	0.9

Attributes for the element PAYMENT_TERM

see page 187.

List of permissible values for the attribute "type" of the element PAYMENT_TERM

see page 187.

Example:

see www.opentrans.org

CHECK

The element CHECK specifies the payment procedure for paying by check.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
PAYMENT	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Term of payment	PAYMENT_TERM type=...	Must	Simple	Term of payment. If payment is to be made by check without any further information being given, "other" must be used (see Attributes for the element PAYMENT_TERM).	-	STRING	-	250	0.9

Attributes for the element PAYMENT_TERM

see page 187.

List of permissible values for the attribute "type" of the element PAYMENT_TERM

see page 187.

Example:

see www.opentrans.org

CASH

The element CASH specifies the payment procedure for cash payment.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
PAYMENT	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Term of payment	PAYMENT_TERM type=...	Must	Simple	Term of payment. If payment is to be made by cash without any further information being given, "other" must be used (see Attributes for the element PAYMENT_TERM).	-	STRING	-	250	0.9

Attributes for the element PAYMENT_TERM

see page 187.

List of permissible values for the attribute "type" of the element PAYMENT_TERM

see page 187.

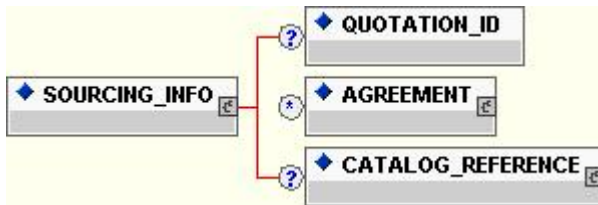
Example:

see www.opentrans.org

SOURCING_INFO

The element SOURCING_INFO summarizes information about acquisition activities which have preceded this order.

If the element SOURCING_INFO is used, at least one of the following elements has to be given.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
ORDER_HEADER, ORDER_ITEM	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Supplier quotation number	QUOTATION_ID	Can	Simple	Unique quotation number allocated by the supplier.	-	STRING	-	250	0.996
Reference to a skeleton agreement	AGREEMENT type=...	Can	Multiple	Reference to a skeleton agreement. See also " List of pre-defined values for the attribute "type" of the element AGREEMENT ".	-	-	-	-	0.91
Reference to an (electronic) product catalog	CATALOG_REFEREN CE	Can	Simple	Order reference to a catalog. This element can also be used as a reference to a price list.	-	-	-	-	0.9

SOURCING_INFO

5. Element library



Attributes for the element AGREEMENT

see page 194.

List of pre-defined values for the attribute "type" of the element AGREEMENT

see page 194.

Example:

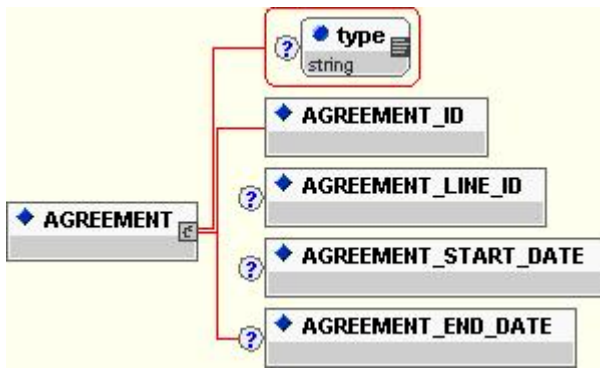
see www.opentrans.org

AGREEMENT

The AGREEMENT element refers to a skeleton agreement. If the AGREEMENT element is used, at least one of the following elements must be specified.




The AGREEMENT element differs from the specification in BMEcat® up to V2.0. From BMEcat® V2.0 onwards AGREEMENT is used identically in BMEcat® and openTRANS®.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
ORDER_HISTORY, ORDER_REFERENCE, SOURCING_INFO	-	-	-	-	0.91

Attributes for the element AGREEMENT

Designation	Attribute name	Must/Can	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Type of skeleton agreement	type	Must	<p>The "type" attribute identifies the owner of the skeleton agreement.</p> <p>If reference is made to skeleton agreements of an intermediary, the value of the "type" attribute is to represent the name of the intermediary.</p>  <p>Some target systems are not in a position to interpret other values than the ones pre-defined in the attribute "type".</p>	-	STRING	-	50	0.91

List of pre-defined values for the attribute "type" of the element AGREEMENT

Designation	Attribute value	Explanation	Mod. in version
Buyer	buyer	Marking for a buyer's skeleton agreement.	0.91
Supplier	supplier	Marking for a supplier's skeleton agreement.	0.91

Elements

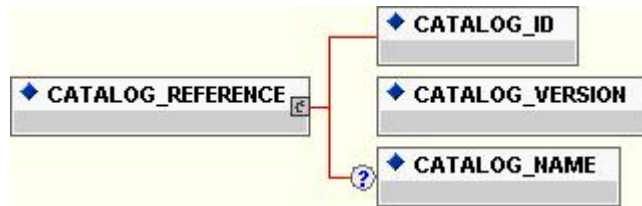
Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Agreement ID	AGREEMENT_ID	Must	Simple	Unique ID for the identification of a skeleton agreement. The element can also be used for special agreement information e.g. special project agreements.	-	STRING	-	250	0.91
Line number within the skeleton agreement	AGREEMENT_LINE_ID	Can	Simple	Unique line number within a skeleton agreement. The element allows unique referencing of every item in an order schedule to an item in a skeleton agreement.	-	STRING	-	32	0.91
Start date of the skeleton agreement	AGREEMENT_START_DATE	Can	Simple	Unique date on which the validity of the skeleton agreement begins.	-	DATETIME	-	20	0.91
End date of the skeleton agreement	AGREEMENT_END_DATE	Can	Simple	Unique date on which the validity of the skeleton agreement ends.	-	DATETIME	-	20	0.91

Example:

see www.opentrans.org

CATALOG_REFERENCE

In the CATALOG_REFERENCE element reference is made to an (electronic) product catalog which serves as a quotation for the order.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
ORDER_REFERENCE, ORDER_HISTORY, SOURCING_INFO	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Product catalog ID	CATALOG_ID	Must	Simple	Unique ID of the product catalog, this ID is usually allocated by the supplier when the product catalog is first generated and then never changes throughout the life cycle of the catalog	-	STRING	-	20	0.9
Version of the product catalog	CATALOG_VERSION	Must	Simple	Version of the product catalog. Format: "MajorVersion"."MinorVersion" (maximum however xxx.yyy) Example: 001.120 7.3	-	STRING	-	7	0.9
Name of the product catalog	CATALOG_NAME	Can	Simple	Any name which is used to describe the product catalog Example.: Autumn/Winter 1999/2000	-	STRING	X	100	0.9

CATALOG_REFERENCE

Example:

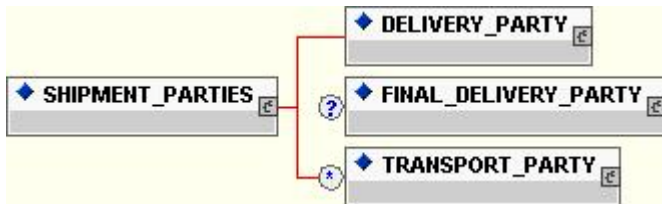
see www.opentrans.org

5. Element library



SHIPMENT_PARTIES



The element SHIPMENT_PARTIES summarizes information about the business partners involved in the procedure of delivering the goods.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_INFO, DISPATCHNOTIFICATION_ITEM, ORDER_ITEM, ORDER_PARTIES, ORDERRESPONSE_ITEM	-	-	-	-	0.9

Elements

Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Address for the delivery	DELIVERY_PARTY	Must	Simple	Address and contact for delivery.  At present, export control authorities are only controlling orders on order header level. For this reason there should be no DELIVERY_PARTY given which deviates from the header for orders which are subject to proof.	-	-	-	-	0.9
Address of the final delivery party	FINAL_DELIVERY_PARTY	Can	Simple	Address and contact of the final delivery party.  At present, export control authorities are only controlling orders on order header level. For this reason there should be no FINAL_DELIVERY_PARTY given which deviates from the header for orders which are subject to proof.	-	-	-	-	0.9
Address of the forwarding agent	TRANSPORT_PARTY	Can	Multiple	Address and contact of the logistics service company.	-	-	-	-	0.9

Example:

see www.opentrans.org

DELIVERY_PARTY

The recipient of the goods is specified in the element DELIVERY_PARTY.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
SHIPMENT_PARTIES	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Business partner	PARTY	Must	Simple	Information about the business party.	-	-	-	-	0.9

Example:

see www.opentrans.org

FINAL_DELIVERY_PARTY

The final recipient of the goods is specified in the element FINAL_DELIVERY_PARTY.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
SHIPMENT_PARTIES	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Business partner	PARTY	Must	Simple	Information about the business partner.	-	-	-	-	0.9

Example:

see www.opentrans.org

TRANSPORT_PARTY

The forwarding agent/logistics service company is specified in the element TRANSPORT_PARTY.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
SHIPMENT_PARTIES	-	-	-	-	0.9

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Business partner	PARTY	Must	Simple	Information about the business partner.	-	-	-	-	0.9

Example:

see www.opentrans.org

SUPPLIER_PARTY

The supplier is specified in the element SUPPLIER_PARTY.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_INFO, DISPATCHNOTIFICATION_ITEM, INVOICE_INFO, ORDER_PARTIES	-	-	-	-	0.9

Elements

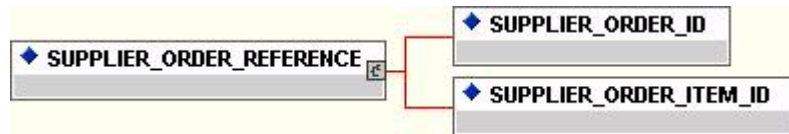
Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Business party	PARTY	Must	Simple	Information about the business partner.	-	-	-	-	0.9

Example:

see www.opentrans.org

SUPPLIER_ORDER_REFERENCE

The element SUPPLIER_ORDER_REFERENCE is reserved for information about the order which the supplier uses for the order involved.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_ITEM	-	-	-	-	0.92

Elements

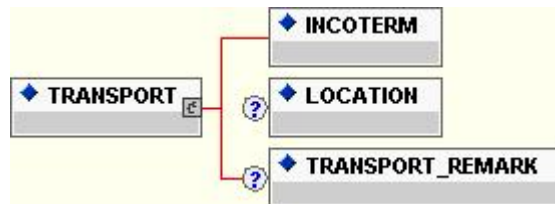
Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Supplier order number	SUPPLIER_ORDER_ID	Must	Simple	Unique order number of the supplier	-	STRING	-	250	0.92
Item number of the supplier	SUPPLIER_ORDER_ITEM_ID	Must	Simple	Item number in the relevant order of the supplier. The item line of an order is uniquely identified using the item number. In combination with the order number and the buyer the item number represents a unique ID number outside the business process concerned.	-	STRING	-	50	0.92

Example:

see www.opentrans.org

TRANSPORT

The TRANSPORT element summarizes information about the transport.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
ORDER_INFO, ORDER_ITEM	-	-	-	-	0.9

Elements

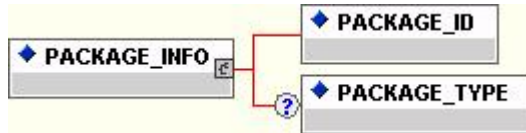
Designation	Element name	Must/ Can	Simple/ Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
INCOTERM	INCOTERM	Must	Simple	International coding of transport, costs and insurance according to INCOTERMS 2000, UN/ECE, Recommendation No.5 (ECE/TRADE/259), (see http://www.unece.org/cefact/docum/download/ece259.pdf).	-	STRING	-	3	0.9
Location of goods transfer	LOCATION	Can	Simple	Transfer of the goods from supplier to buyer or vice versa. Dependent on INCOTERM.	-	STRING	-	250	0.9
Remark	TRANSPORT_REMARK	Can	Simple	Remark concerning the type of transport.	-	STRING	X	64000	0.99

Example:

see www.opentrans.org

PACKAGE_INFO

The element PACKAGE_INFO is used to transfer information about the packaging used for the goods being supplied.



General

Used in	Default value	Data type	Lang. specific	Field length	Mod. in version
DISPATCHNOTIFICATION_HEADER, DISPATCHNOTIFICATION_ITEM	-	-	-	-	0.92

Elements

Designation	Element name	Must/Can	Simple/Multiple	Explanation	Default value	Data type	Lang. specific	Field length	Mod. in version
Package number	PACKAGE_ID	Must	Simple	Unique package number	-	STRING	-	50	0.92
Package type	PACKAGE_TYPE	Can	Simple	Package type e.g. "barrel" or "box". The description of the package type should follow UN/ECE Recommendation 21 (see http://www.unece.org/cefact/rec/rec21en5.htm).	-	STRING	-	50	0.92

Example:

see www.opentrans.org

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